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MEDICARE HOSPITAL INFORMATION

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STATES BY VOLUME

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FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the <u>Medicare Hospital Information</u> report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

• A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the <u>Medicare Hospital Information</u> report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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INTRODUCTION

The <u>Medicare Hospital Information</u> report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

Number Of Cases

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category "All Causes." The eight medical condition and nine surgical procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS)

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does not represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both inhospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.

Predicted Mortality Rate (PRED)

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

Standard Deviation (SD)

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes ("---") are placed in the SD column.

OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

INFORMATION SOURCES AND NOTES

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

Hospitals In The Analysis

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

Data Sources

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

Possible Limitations Of The Data

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be

missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

TYPE AND SOURCE OF ADMISSION FLIPPED

FI No.	FI Name	<u>Dates</u>
00030	Arizona Blue Cross	10/01/86 — 12/31/88
08000	Maryland Blue Cross/DC	06/01/87 — 09/30/87
00190	Maryland Blue Cross	06/22/87 — 12/31/88
00400	Texas Blue Cross	12/07/87 — 12/31/88

HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

Use By Consumers — Some Key Questions

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be "sicker" than average?

Other Users Of This Publication

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

Outside Assistance In Developing This Publication

The development and presentation of the <u>Medicare Hospital Information</u> report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- Inaccurate Date of Death We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- Discrepant Case Counts Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.

We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.

ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: $\frac{24,379}{2,513} = 9.7 \text{ days}$

The Medicare average length of stay is 9.7 days.

HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

AHA Definitions (except for CMI)

Survey and Year — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

Profile

Total beds (#) — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent) — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

Medicare discharges — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)

Case mix index (CMI) — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

Staffing (all AHA counts are as of 9/30/90)

Total number of physicians — Total active and associate medical staff.

Percent of physicians who are board-certified specialists — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns — Full-time equivalent (FTE) medical residents or interns.

Registered nurses — Full-time equivalent (FTE) registered nurses.

Licensed practical nurses — Full-time equivalent (FTE) licensed practical nurses.

Specialty Services

Burn Unit — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac Intensive Care — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,

open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice Care — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/Surgical Intensive Care — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

Organ/Tissue Transplant — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

Other Intensive Care — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Trauma Center — Provides emergency and specialized intensive care to critically injured patients.

Other Specialty/Hospital-Based Services

Alcohol/Drug — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

Rehabilitation — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Psychiatric — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

Medicare Swing Beds — The hospital is certified by Medicare to provide "swing bed" services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

OSCAR Definitions (except for CMI)

Survey and Year — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

Profile

Total beds (#) — Total number of operational beds eligible for Medicare payment.

Ownership/control — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

Case mix index (CMI) — See definition shown in AHA "Profile" section.

Staffing

Medical residents/interns — Full-time equivalent (FTE) medical residents or interns.

Registered nurses — Full-time equivalent (FTE) registered nurses.

Licensed practical nurses — Full-time equivalent (FTE) licensed practical nurses.

Specialty Services

NOTE: There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories "comprehensive geriatric" and "other intensive care" are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

Coronary Care — See definition shown in AHA "Specialty Services" section.

Intensive Care Unit — See definition shown in AHA "Specialty Services" section. These units may also include other intensive care units in OSCAR reporting.

Organ Transplant — See definition shown in AHA "Organ/Tissue Transplant" section. May include tissue transplants because there is not a separate field in OSCAR for these services.

TECHNICAL INFORMATION

DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to

complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, <u>SAS User's Guide:</u> Statistics, Version 5 Edition, pages 529-557).

ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function, S(t), is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t)$$
.

Another useful formulation of these models is the hazard function, h(t), also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = -\frac{1}{S(t)} \frac{dS(t)}{dt} = -\frac{d \ln(S(t))}{dt}.$$

The probability density function, f(t), commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases, the area under the survival curve is restricted to an interval 0-t₁ where t₁ might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$
where
$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters α , γ , and δ in terms of the k concomitant variables x_i and their associated component parameters α_i , γ_i , and δ_i for i=1, 2, ..., k and three intercepts or component parameters α_0 , γ_0 , and δ_0 . The structural parameter δ is the long-term risk which is approached as $t \rightarrow \infty$. The structural parameter α is the initial excess risk which decays with rate constant γ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant (p<0.05) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i , γ_i , and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, $\hat{\Theta}$, and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1, V_2, V_3 , and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

 V_2 is the binomial variance for n patients

$$V_2 = \frac{\widehat{\Theta} \left(1 - \widehat{\Theta} \right)}{n}.$$

 V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}(\Theta)} = (1 - \frac{1}{n}) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{pmatrix} - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{pmatrix} \right\}^2 \left(\frac{1}{z_p^2}\right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital-specific effect.

 V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \text{(Observed mortality)} - \left\{ \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right\}^2.$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital

with 300 cases in the "All Causes" category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

SMR = 12.2/10.0 = 1.22.

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the "All Causes" category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

SMR = 19.3/10.0 = 1.93.

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the statistical meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.

HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents Government Printing Office Washington, D.C. 20402 Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.

For information about obtaining <u>Medicare Hospital Information</u> electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration
Bureau of Data Management and Strategy
Office of Statistics and Data Management
3-A-10 Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207
Telephone: (410) 597-5151

Table 1

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

CONDITION/PROCEDURE

ICD-9-CM CODES

(D)=Diagnosis code (P)=Procedure code

Heart Disorders/Procedures

Acute Myocardial Infarction

(AMI)

All of 410 (D) (on 10/1/89 exclude 410

with 5th digit of a 2)

Note: For code 410 a 5th digit was added on October 1, 1989.

Congestive Heart Failure

(CHF)

398.91, 402.01, 402.11, 402.91, 428.0,

428.1, 428.9 (all D)

Angioplasty (ANGPLSTY)

All of 36.0 (P) excluding 36.00, 36.03,

36.04, 36.09 (all P)

Note:

Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.

Coronary Artery Bypass Graft

(CABG)

All of 36.1(P) and not Angioplasty (see

above)

Pacemaker Insertion, Initial (PACE)

37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

Note:

Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads

were changed into various 37.70 codes.

CONDITION/PROCEDURE

ICD-9-CM CODES (D)=Diagnosis code (P)=Procedure code

Pulmonary Disorders

Pneumonia/Influenza

(PNU)

All of 480, all of 481, 482.2, 482.3,

482.9, 483, 485, 486, 487.0 (all D)

Chronic Obstructive Pulmonary

(COPD)

All of 491, all of 492, all of 494, Disease all of 496; and 466.0, 518.82, 518.5, and 786.09 when there is a secondary

diagnosis of any 496 (all D)

Code 518.8 got a 5th digit on October 1, 1987. Some Note:

cases from 799.1 were put into codes 518.81 and

518.82.

Cerebrovascular Disorders/Procedures

Transient Cerebral Ischemia 433.1, 433.3, 435 (D) and exclude those (TCI)

patients with an endarterectomy at the

time of admission—38.12(P)

Stroke 431, 434 through 434.9, 436 (all D)

(STK)

38.12 (P) with 433.1 (D); 433.3 (D) or Carotid Endarterectomy

435(D) as a principal diagnosis (ENDART)

Musculoskeletal Disorders/Procedures

Fracture of Neck of Femur All of 820 (D)

(FXHIP)

Hip Replacement/Revision 81.5, 81.6 (exclude 81.69) (all P). On (HIPREP)

10/1/89 code 81.51 (P) through 81.53

(P) with same diagnoses.

Open Reduction of Fractured Femur 79.35(P) on condition of 820 (D) as

(OPRDUX) principal diagnosis

CONDITION/PROCEDURE

ICD-9-CM CODES (D)=Diagnosis code (P)=Procedure code

Genitourinary Disorders/Procedures

Prostatectomy

60.2, 60.3 through 60.69 (all P)

(PROS)

Hysterectomy

68.3 through 68.7 (P)

(HYS)

Gastrointestinal Disorders/Procedures

Cholecystectomy (CHOLOTMY)

51.22 (P)

Sepsis

Sepsis 003.1, 020.2, 022.3, 036.2, 036.3,

036.89, 036.9, 038.0, 038.1, 038.2, 038.3, 038.40, 038.41, 038.42, 038.43, 038.44, 038.49, 038.8, 038.9, 054.5

xxxv

Table 2

COMORBIDITY CONDITIONS (all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.91
Chronic cardiovascular disease	412-414.9, 426-429.1
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
Chronic diabetes	250.01, 250.1-250.91
Chronic pulmonary disease	491-493.91, 496
Cerebrovascular degeneration	290-290.9, 294-299.9

Table 3

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

Demographics

SXFM

An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise AGEML = AGESP if SXFM = 0, 0 otherwise

where

AGESP = sign (W-65)
$$\left(\frac{W-65}{65}\right)^{1.44}$$

and

$$W = \begin{cases} 23 \text{ if } AGE \le 23 \\ AGE \text{ if } 23 < AGE < 100 \\ 100 \text{ if } 100 \le AGE \end{cases}$$

Comorbidities

ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

CCA	Cancer	141-160.9, 162-172.9, 174- 208.91
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1
CLV	Chronic liver disease	571-572.8
CRN	Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
CDI	Chronic diabetes	250.01, 250.1-250.91
COP	Chronic pulmonary disease	491-493.91, 496
CCE	Cerebrovascular degeneration	290-290.9, 294-299.9

Co Occurrence of Comorbidities

COP_CCV	1 if $COP = 1$ and $CCV = 1$, 0 otherwise
CCA_CCV	1 if $CCA = 1$ and $CCV = 1$, 0 otherwise
COP_CCA	1 if $COP = 1$ and $CCA = 1$, 0 otherwise
CCE_CCV	1 if $CCE = 1$ and $CCV = 1$, 0 otherwise
CRN_CCV	1 if $CRN = 1$ and $CCV = 1$, 0 otherwise

Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

PREF	Patient referred by personal or HMO physician
TRSNF	Patient transferred from skilled nursing facility
ELCT	Patient admitted for elective procedure
EMRG	Patient admitted for emergency
	- so-the admitted for efficigency

Co-Occurrence of Admission Source and Type

PREF_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

Previous Hospitalizations

P_RISK1	Number at 1st risk level with 3 or more set to 3
P_RISK2	Number at 2nd risk level with 3 or more set to 3
P_RISK3	Number at 3rd risk level with 3 or more set to 3
P_RISK4	Number at 4th risk level with 4 or more set to 4
P_RISK5	Number at 5th risk level with 3 or more set to 3
F(T)	Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise

Time Trend

FLAG89	1 if discharge in FY1989, 0 otherwise
FLAG90	1 if discharge in FY1990, 0 otherwise
INYEAR	Difference between current admission date and April 1 of fiscal year of discharge

TAPIT : SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES 1990 STUDY, FY1990

_	NUMBER			DAYS				06	AYS				18	DAYS		
CONDITIONS/PROCEDURES HC	HOSPITALS	2.5%	25%	50%	75%	97.5%	2.5%	l I I	l I I	75%	97.5%	2.5%	1			7.5%
OVERALL(< 750 CASES)	2645	0.45	0.88	1.04	1.23	1.72	0.56	06.0	1.03	1.17	1.54	0.61	06.0	1.02	1.15	1.46
OVERALL(>= 750 CASES)	2684	0.73	0.91	0.99	1.09	1.35	0.79	96.0	1.01	1.09	1.28	0.82	0.94	1.01	1.08	1.24
CONDITIONS	1405	0.54	08.0	0.95	1.1	1.42	0.62	0.86	0.99	1.14	1.44	0.63	0.86	0.99	1.13	1.39
CHF	2335	0.43	0.79	0.98	1.17	1.64	09.0	0.85	0.99	1.13	1.49	99.0	0.89	1.00	1.13	1.41
PNEUMONIA/INFLUENZA	2428	0.41	0.78	0.97	1.18	1.68	0.53	0.84	1.00	1.17	1.55	0.57	0.86	1.01	1.16	1.50
COPD	435	0.00	0.63	0.97	1.34	5.06	0.30	0.78	1.02	1.26	1.74	0.40	0.82	1.01	1.24	1.69
TRANS. CEREBRAL ISCHEMIA	404	0.00	00.00	0.83	1.34	3.20	00.0	0.48	0.85	1.31	2.27	0.21	09.0	06.0	1.21	2.05
STROKE	1789	0.53	0.79	0.95	1.13	1.56	0.61	0.84	96.0	1.13	1.47	0.65	0.87	0.99	1.12	1.42
HIP FRACTURE	1199	0.21	0.67	0.93	1.27	2.10	07.0	0.76	96.0	1.19	1.80	0.47	0.78	0.97	1.16	1.64
SEPSIS	254	0.51	0.79	96.0	1.12	1.50	0.65	0.86	0.99	1.13	1.47	0.69	0.89	1.01	1.15	1.44
RoĈEDURE																
ANGIOPLASTY	425	00.00	0.49	0.89	1.33	5.66	00.00	09.0	0.93	1.36	2.34	00.00	0.63	0.97	1.34	2.14
CABG	556	0.20	0.68	1.03	1.39	2.45	0.28	0.73	1.00	1.32	5.09	0.28	0.73	1.01	1.30	2.10
PACEMAKER	112	00.00	0.41	0.72	1.37	3.25	0.20	0.61	06.0	1.21	2.17	0.21	0.65	0.84	1.16	1.87
CAROTID ENDARTERECTOMY	73	00.0	00.00	0.85	1.33	2.90	00.00	0.14	0.74	1.28	2.43	0.00	0.42	0.86	1.38	2.86
HIP REPLACEMENT	763	00.00	0.53	0.94	1.44	2.77	0.19	0.67	96.0	1.31	2.12	0.26	0.71	0.94	1.26	1.91
REDUCT. OF HIP FRACTURE	276	00.00	0.56	0.86	1.22	2.05	0.31	0.68	0.92	1.19	1.76	0.38	0.77	96.0	1.12	1.58
PROSTATECTOMY	1576	00.00	00.0	0.73	1.57	3.56	00.00	0.49	0.91	1.40	2.63	0.00	0.57	0.92	1.29	2.21
CHOLECYSTECTOMY	714	00.00	0.49	0.95	1.54	2.68	00.00	0.62	0.93	1.37	2.22	0.22	0.67	0.98	1.27	1.93
HYSTERECTOMY	113	00.00	0.00	00.00	2.00	69.9	00.00	00.00	92.0	1.70	3.59	00.00	0.24	0.75	1.27	2.91

TABLE 4 SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES 1990 STUDY, FY1989

	NUMBER			DAYS				90	ΑY				18	O DAY		
CONDITIONS/PROCEDURES H	HOSPITALS	2.5%	25% 5		75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	0.50	0.87	1,04	1,23	1,73	α α	0	٦ 1	17	75	ر د	o c	5	÷	~
						:	•			•	•					* *
OVERALL(>= 750 CASES)	5669	0.71	06.0	1.00	1.09	1.35	0.79	0.94	1.01	1.08	1.28	0.82	0.95	1.01	1.07	1.24
CONDITIONS																
	1412	0.53	0.81	96.0	1.12	1.47	0.59	0.86	1.01	1.15	1.47	0.63	0.87	1.00	1.14	1.43
CHF	2293	0.47	08.0	0.97	1.18	1.69	0.58	0.86	1.00	1.14	1.48	99.0	0.89	1.02	1.14	1.40
PNEUMONIA/INFLUENZA	2179	0.45	0.77	26.0	1.19	1.67	0.54	0.85	1.01	1.18	1.55	0.60	0.86	1.02	1.18	1.51
COPD	324	0.21	0.68	0.99	1.32	2.13	0.44	0.78	1.04	1.27	1.91	0.49	0.84	1.04	1.24	1.66
TRANS. CEREBRAL ISCHEMIA	420	00.00	00.00	0.79	1.41	3.26	00.00	0.46	0.88	1.33	2.36	0.18	09.0	0.92	1.25	1.97
STROKE	1728	0.53	0.80	0.95	1.12	1.56	0.62	0.85	0.97	1.11	1.46	0.67	0.88	0.99	1.13	1.40
HIP FRACTURE	1126	0.24	0.67	0.95	1.30	2.04	0.39	0.75	0.98	1.21	1.71	0.46	0.78	0.97	1.18	1.59
SEPSIS	174	0.52	0.79	0.94	1.10	1.52	0.63	0.88	1.02	1.15	1.46	0.68	0.93	1.05	1.16	1.43
PROCEDURES																
ANGIOPLASTY	370	00.00	97.0	0.84	1.35	2.55	00.00	0.55	0.88	1.33	2.52	0.00	0.61	0.94	1.32	2.44
CABG	501	0.21	0.65	1.00	1.47	2.57	0.23	69.0	1.00	1.33	2.29	0.32	0.74	1.01	1.33	2.21
PACEMAKER	91	00.00	0.52	92.0	1.12	2.31	00.00	0.56	0.83	1.15	2.14	0.20	0.68	0.81	1.16	1.87
CAROTID ENDARTERECTOMY	55	00.0	00.00	0.82	1.51	5.01	00.0	0.47	0.86	1.31	4.00	00.00	0.43	0.85	1.28	3.12
HIP REPLACEMENT	989	00.00	0.52	0.92	1.44	2.46	00.00	0.65	96.0	1.27	1.95	0.21	0.67	96.0	1.19	1.75
REDUCT. OF HIP FRACTURE	246	0.19	0.57	0.91	1.23	1.96	0.31	0.71	96.0	1.19	1.74	0.41	0.78	96.0	1.13	1.53
PROSTATECTOMY	1570	00.00	00.00	0.67	1.50	3.46	00.00	24.0	0.86	1.36	2.67	00.00	0.58	0.93	1.28	2.15
CHOLECYSTECTOMY	680	00.00	0.53	96.0	1.53	2.90	00.0	0.62	26.0	1.36	2.15	0.22	99.0	0.95	1.26	1.98
HYSTERECTOMY	101	00.00	00.00	00.00	1.80	5.44	00.0	00.00	0.78	1.60	4.21	00.00	00.00	0.91	1.38	2.99

TABLE 4
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

z	NUMBER			W				06	AYS				18	DAYS	1	1
CONDITIONS/PROCEDURES HO	OF HOSPITALS	2.5%	25.	20%	75%	97.5%	2	! ! !		75%	97.5%	2.5%	I		2 2 1	7.5%
OVERALL(< 750 CASES)	2838	0.46	0.89	1.05	1.23	1.75	0.54	06.0	1.03	1.16	1.57	0.59	06.0	1.02	1.14	1.45
OVERALL(>= 750 CASES)	2693	0.73	06.0	1.00	1.10	1.35	0.79	76.0	1.01	1.09	1.27	0.82	0.95	1.01	1.08	1.24
CONDITIONS	1414	0.56	0.82	0.96	1.12	1.41	0.63	0.87	1.01	1.14	1.42	0.65	0.89	1.00	1.13	1.39
CHF	2246	0.45	0.79	26.0	1.18	1.61	09.0	0.86	1.00	1.14	1.43	0.68	06.0	1.02	1.13	1.37
PNEUMONIA/INFLUENZA	2069	0.44	0.79	26.0	1.17	1.68	0.57	0.85	1.01	1.17	1.59	0.61	0.87	1.01	1.16	1.53
COPD	310	0.21	0.67	0.92	1.30	2.17	0.39	0.79	96.0	1.20	1.81	0.51	0.82	0.99	1.19	1.59
TRANS. CEREBRAL ISCHEMIA	495	0.00	00.00	0.84	1.48	2.94	0.00	0.48	0.92	1.39	2.28	0.21	09.0	0.92	1.27	1.92
STROKE	1726	0.51	0.79	0.95	1.12	1.56	09.0	0.84	0.98	1.13	1.44	0.64	0.88	1.00	1.13	1.42
HIP FRACTURE	1119	0.24	0.65	96.0	1.27	2.07	0.40	0.78	0.98	1.21	1.77	0.47	08.0	0.98	1.17	1.64
SEPSIS	133	0.58	0.77	0.92	1.08	1.64	0.56	0.86	1.00	1.13	1.54	0.67	0.88	1.02	1.14	1.53
PROCEDURES																
ANGIOPLASTY	297	0.00	0.50	0.87	1.35	2.60	00.00	0.59	0.91	1.34	2.50	00.00	0.65	0.95	1.31	2.25
CABG	827	0.21	0.68	0.98	1.39	2.40	0.32	0.73	1.00	1.36	2.12	0.38	0.75	1.01	1.31	2.04
PACEMAKER	83	0.00	0.34	0.65	1.04	1.75	0.01	0.54	0.85	1.03	1.70	0.23	0.69	0.87	1.10	1.57
CAROTID ENDARTERECTOMY	69	0.00	00.00	09.0	1.23	3.30	00.00	0.33	0.62	1.09	2.50	0.00	74.0	0.68	1.16	1.87
HIP REPLACEMENT	670	00.00	0.49	0.95	1.40	2.65	00.00	99.0	1.01	1.31	2.15	0.24	0.70	96.0	1.24	1.87
REDUCT. OF HIP FRACTURE	259	00.00	0.61	0.91	1.26	2.16	0.38	0.74	96.0	1.21	1.94	0.44	0.77	96.0	1.16	1.79
PROSTATECTOMY	1619	0.00	00.00	0.78	1.53	3.69	00.00	0.54	0.92	1.39	2.57	0.00	0.61	0.93	1.30	2.21
CHOLECYSTECTOMY	642	0.00	0.50	96.0	1.44	3.04	0.00	0.61	96.0	1.36	2.26	0.25	99.0	96.0	1.27	2.01
HYSTERECTOMY	06	00.00	0.00	0.00	1.57	5.00	00.00	00.00	0.68	1.43	2.83	0.00	0.28	0.67	1.15	2.88

TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate)

	99% Prediction Interval	ediction In	terval		6	95% Prediction Interval	ction Inte	erval		7	75% Frediction Interval	Ction Inte	erval	
	Factor i	ractor for Upper Bound	Sound		¥	ractor for Upper Bound	Opper B	onna		-	ractor for Upper Bound	Upper B	onna	
1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	2%	10%	20%	40%
3	2.73		2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
9	2.65		2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
2	2.63		2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
2.67	2.61		2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
'4			2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
S			2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
\sim	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
\sim			2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
12.			2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
12			2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
12			2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
100			2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
90			2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	Factor fo	Factor for Lower Bound	punos		Ĕ	Factor for Lower Bound	Lower Bo	punc		\(\(\)	Factor for Lower Bound	Lower B	puno	
1%	5%	10%	20%	40%	1%	2%	10%	20%	40%	1%	5%	10%	20%	40%
			-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
2	·		-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
41	•	·	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
~~	·	Ť	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1-	·	·	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
(2)	Ť	·	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
,7	·	·	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
41	·	·	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
, Q	·	Ţ	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
6	•	İ	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
	•	·	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
-	1-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
-2.57	·	·	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

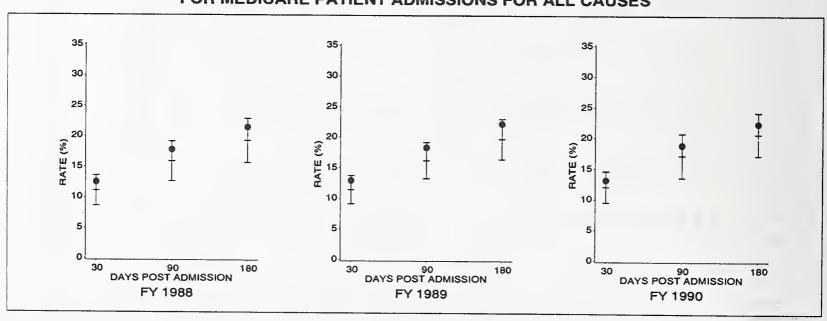
Medicare Hospital Information

ALAMANCE COUNTY HOSPITAL
327 NORTH GRAHAM-HOPEDALE RD
BURLINGTON, NC 27215
Medicare Provider Number: 340034

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	ORTALIT	YRATE	ES (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1337	13.1	12.0	1.3	18.8	17.1	1.8	22.3	20.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	60	21.7	27.7	6.4	31.7	30.8	6.0	38.3	33.6	6.6
Congestive Heart Failure	77	10.4	14.6	5.5	20.8	22.8	6.7	24.7	28.8	8.0
Pneumonia/Influenza	81	25.9	13.8	7.1	29.6	19.2	7.1	33.3	22.8	7.3
Chronic Obstructive Pulmonary Disease	5	0.0	11.1		0.0	17.9		0.0	22.0	
Transient Cerebral Ischemia	10	0.0	1.2		0.0	2.6		0.0	4.3	
Stroke	67	26.9	20.5	6.3	35.8	26.0	8.0	38.8	29.6	8.0
Hip Fracture	52	7.7	7.1	4.2	9.6	12.1	6.4	11.5	15.6	7.1
Sepsis	19	31.6	22.8		42.1	29.5		42.1	33.4	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	3.4		6.7	6.0		13.3	8.1	
Carotid Endarterectomy	2	0.0	1.8		0.0	3.1		0.0	4.4	
Hip Replacement/Reconstruction	16	6.3	3.4		6.3	6.3		6.3	8.6	
Open Reduction of Hip Fracture	32	6.3	7.2		9.4	12.9		9.4	16.8	
Prostatectomy	50	0.0	1.0		0.0	2.3		0.0	3.9	
Cholecystectomy	39	5.1	2.8		5.1	4.6		7.7	5.8	
Hysterectomy	19	0.0	0.3		0.0	0.7		0.0	1.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ALAMANCE COUNTY HOSPITAL Medicare Provider Number: 340034

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		0	8.1 %
Average age at admission	75.1 years	Cancer	0.1 70
Proportion female	58.3 %	Chronic cardiovascular disease	41.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.5 %
Referred by personal or HMO physician	40.5 %	Chronic renal disease	1.6 %
Transferred from skilled nursing facility		Chronic pulmonary disease	23.0 %
Admitted for elective procedure		Cerebrovascular degeneration	3.7 %
Admitted for emergency	62.1 %	Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	91.9%	Hospital	7.7 Days
State	7.6%	State	9.4 Days
Outside State	0.5%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
	Burn Unit
Total Beds	
Occupancy Rate 55.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 48.9 %	Hospice Care No
Case Mix Index (CMI) 1.2627	Medical/Surgical Intensive CareYes
STAFFING:	Organ/Tissue Transplant N
Total Number of Physicians	Other Intensive Care N
Percent of Physicians Board Certified Specialists	Trauma Center N
Certified Specialists80.9 %	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugYe
Registered Nurses	RehabilitationN
Licensed Practical Nurses	TOTAL
	Psychlatric N

^{*} Not used in calculating mortality rates

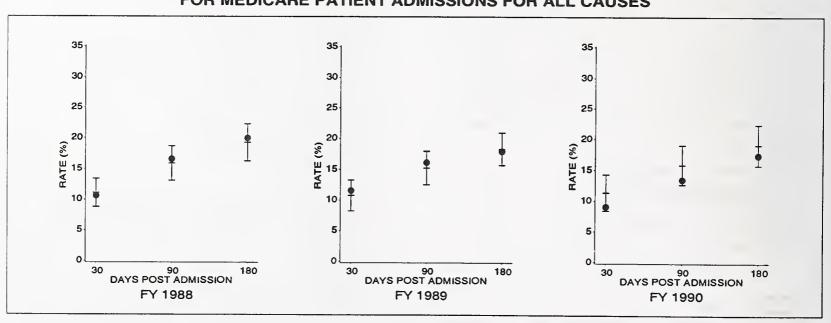
ALAMANCE MEMORIAL HOSPITAL

730 HERMITAGE RD, BOX 4008 BURLINGTON, NC 27215 Medicare Provider Number: 340070

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)		7	
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	938	9.0	11.3	1.5	13.4	15.8	1.6	17.3	19.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	46	26.1	26.9		34.8	29.8		39.1	32.5	
Congestive Heart Failure	43	7.0	14.4		20.9	22.2		23.3	27.5	
Pneumonia/Influenza	50	6.0	13.8		10.0	19.1		12.0	22.7	
Chronic Obstructive Pulmonary Disease	8	0.0	6.2		0.0	10.2		0.0	13.6	
Transient Cerebral Ischemia	13	0.0	2.2		0.0	5.1		0.0	8.6	
Stroke	67	14.9	19.6	6.5	22.4	25.6	6.0	29.9	29.2	6.0
Hip Fracture	43	2.3	6.2		9.3	11.0		11.6	14.2	
Sepsis	33	15.2	19.7		18.2	25.9		18.2	29.6	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertlon	12	8.3	2.3		8.3	4.6		8.3	6.8	
Carotid Endarterectomy	6	0.0	2.4		0.0	4.5		0.0	6.7	
Hip Replacement/Reconstruction	24	0.0	2.5		4.2	4.7		4.2	6.3	
Open Reduction of Hip Fracture	19	5.3	6.5		5.3	11.6		5.3	15.2	
Prostatectomy	30	0.0	0.9	*****	0.0	2.0		3.3	3.4	
Cholecystectomy	33	0.0	3.3		0.0	5.9		6.1	7.9	
Hysterectomy	3	0.0	0.1	*****	0.0	0.2		0.0	0.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ALAMANCE MEMORIAL HOSPITAL

Medicare Provider Number: 340070

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 75.1 years	ears Cancer 4.7 %
Proportion female 56.4 %	Chronic cardiovascular disease 44.5 %
ADMISSION SOURCES/TYPES:	Chronic liver disease 0.9 %
Referred by personal or HMO physician 38.4 %	Chronic renal disease
Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease 24.8 %
Admitted for elective procedure 0.0 %	Cerebrovascular degeneration 3.3 %
Admitted for emergency 61.1 %	Diabetes mellitus 8.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	83.4%	Hospital	8.1 Days
State	15.5%	State	9.4 Days
Outside State	1.1%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds 220	Burn Unit No
Occupancy Rate 75.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Gerlatric No
Medicare Discharges 37.8 %	Hospice Care No
Case Mix Index (CMI) 1.2933	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 92	Other Intensive Care No
Percent of Physicians Board Certifled Specialists 80.4 %	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses 133	Rehabilitation
Licensed Practical Nurses	Psychlatric Yes
	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

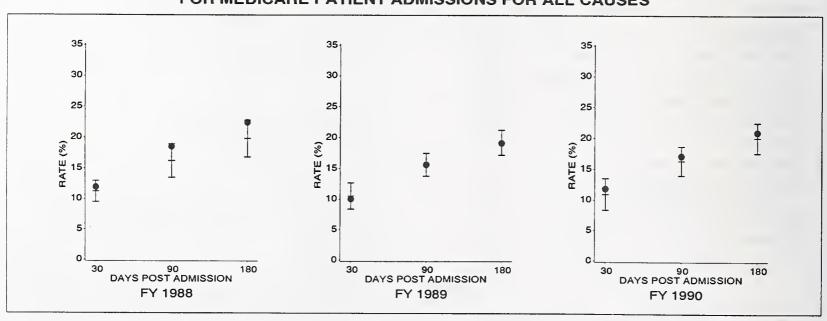
ALBEMARLE HOSPITAL

1144 N ROAD ST ELIZABETH CITY, NC 27909 Medicare Provider Number: 340109

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	Y RATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1509	11.8	10.9	1.3	17.1	16.3	1.2	20.9	20.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	48	37.5	29.2		41.7	32.3		41.7	35.2	
Congestive Heart Failure	122	17.2	12.9	5.1	29.5	20.8	7.4	35.2	26.6	7.7
Pneumonia/Influenza	119	14.3	16.1	4.3	17.6	22.1	6.3	19.3	25.9	6.4
Chronic Obstructive Pulmonary Disease	10	10.0	9.2		10.0	15.8		10.0	21.4	
Transient Cerebral Ischemia	15	6.7	1.9		6.7	4.3		6.7	7.0	
Stroke	83	27.7	16.9	6.5	31.3	23.5	7.4	41.0	27.2	7.9
Hip Fracture	42	7.1	7.4		11.9	12.8		14.3	16.4	
Sepsis	30	23.3	27.1		36.7	36.5		50.0	42.1	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	3.2	*****	33.3	6.2		33.3	9.4	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.6		0.0	6.7	*	0.0	9.2	
Open Reduction of Hip Fracture	11	9.1	10.0		18.2	17.5	****	18.2	21.9	
Prostatectomy	49	2.0	0.9		2.0	2.2		2.0	3.9	
Cholecystectomy	26	11.5	2.7		11.5	5.5		11.5	8.0	
Hysterectomy	11	0.0	0.2		0.0	0.4		0.0	0.7	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ALBEMARLE HOSPITAL Medicare Provider Number: 340109

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES: 7.0 %
Average age at admission 75.0 years	Carlos
Proportion female 56.1 %	Chronic cardiovascular disease 38.4 %
DMISSION SOURCES/TYPES:	Chronic liver disease 1.1 %
Referred by personal or HMO physician 40.6 %	Chronic renal disease 5.8 %
	Chronic pulmonary disease 35.9 %
Transferred from skilled nursing facility 0.0 %	Cerebrovascular degeneration 2.3 %
Admitted for elective procedure 11.3 %	
Admitted for emergency 58.7 %	Diabetes mellitus 14.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	44.8% 52.0%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	9.4 Days
Outside State Total		National	0.0 Duye

SOURCE: AHA Annual Survey of H	lospitals** - Survey Year 1	990
PROFILE:		SPECIALTY SERVICES:
Total Beds	137	Burn Unit No
Occupancy Rate	70.0 %	Cardiac Intensive Care No
Ownership/Control		Comprehensive Geriatric No
Medicare Discharges		Hospice Care No
Case Mix Index (CMI)		Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	47	Other Intensive Care No
Baroant of Physicians Board		Trauma Center No
Certified Specialists		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns		Alcohol/Drug No
Registered Nurses		Rehabilitation No
Licensed Practical Nurses	52	Psychiatric No
		Medicare Swing Beds No
** Except for CMI		

^{*} Not used in calculating mortality rates

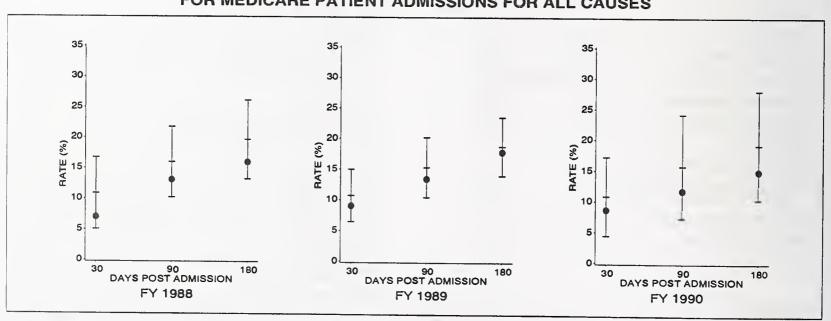
ALEXANDER COUNTY HOSPITAL

326 THIRD ST SW TAYLORSVILLE, NC 28681 Medicare Provider Number: 340067

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	ORTALIT	YRATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	359	8.6	10.8	3.2	11.7	15.7	4.2	14.8	19.1	4.4
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	27.2		18.2	30.4		27.3	32.9	
Congestive Heart Failure	22	13.6	13.7	••••	13.6	21.4		18.2	27.1	
Pneumonia/Influenza	60	15.0	16.2	5.0	20.0	22.5	6.8	28.3	26.7	6.0
Chronic Obstructive Pulmonary Disease	5	0.0	6.4		0.0	12.0		0.0	15.7	
Transient Cerebral Ischemla	10	0.0	2.1		0.0	4.4		0.0	7.1	
Stroke	15	20,0	22.7		20.0	29.2		20.0	32.7	
Hip Fracture	0									
Sepsis	7	42.9	30.7		42.9	37.7		57.1	43.1	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	2.8		0.0	5.9		0.0	9.1	
Cholecystectomy	11	0.0	2.5	****	0.0	4.8		0.0	6.5	
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ALEXANDER COUNTY HOSPITAL

Medicare Provider Number: 340067

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.7 years	Cancer	3.9 %
Proportion female	58.9 %	Chronic cardiovascular disease	41.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.6 %
Referred by personal or HMO physician	41.4 %	Chronic renal disease	1.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	29.7 %
Admitted for elective procedure		Cerebrovascular degeneration	7.8 %
Admitted for emergency		Dlabetes mellitus	5.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	87.1%	Hospital	6.9 Days
State		State	9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds49	Burn Unit No
Ownership.Control Private, Non-Profit	Coronary Care Unit Yes
Case Mix Index (CMI) 1.1145	Hospice Care No
STAFFING:	Intensive Care Unit No
Medical Residents/Interns 0	Organ Transplant No
Registered Nurses	Trauma Center No
Licensed Practical Nurses	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugNo
	Rehabilitation No
	Psychiatric No
	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

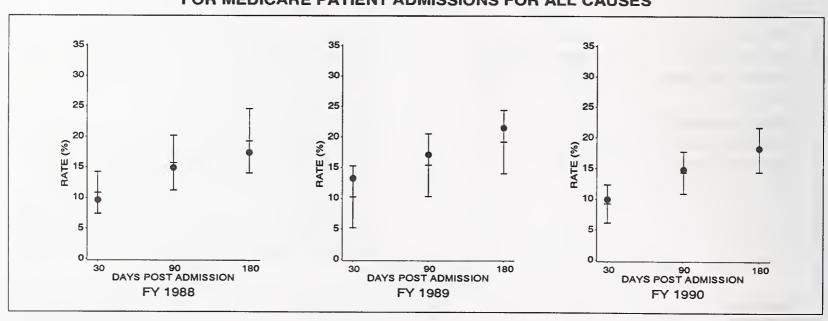
ALLEGHANY COUNTY MEMORIAL HOSPITAL

HOSPITAL RD SPARTA, NC 28675 Medicare Provider Number: 340044

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	445	9.9	9.2	1.6	14.8	14.3	1.7	18.2	18.0	1.8
CONDITIONS:										
Acute Myocardlal Infarction	20	30.0	25.5		30.0	28.5		30.0	31.1	
Congestive Heart Failure	18	16.7	15.8		27.8	25.2		38.9	32.6	
Pneumonia/Influenza	31	9.7	12.5		16.1	17.7		16.1	21.6	
Chronic Obstructive Pulmonary Disease	13	0.0	7.1		0.0	12.4		0.0	16.4	
Transient Cerebral Ischemla	6	0.0	1.4		0.0	3.4		0.0	5.7	
Stroke	11	27.3	15.3		27.3	20.9		27.3	24.9	
Hip Fracture	2	0.0	6.8		0.0	10.7		0.0	13.6	
Sepsis	2	0.0	22.9		0.0	31.9		0.0	36.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	1.5		0.0	3.1		0.0	5.2	
Cholecystectomy	6	0.0	4.1		16.7	9.0		16.7	12.9	
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ALLEGHANY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 340044

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average ago at admission	75 8 voore	Cancer	5.6 %
Average age at admission	75.0 years		
Proportion female	58.7 %	Chronic cardiovascular disease	37.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.3 %
Referred by personal or HMO physician	47.5 %	Chronic renal disease	1.6 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	32.1 %
Admitted for elective procedure	0.7 %	Cerebrovascular degeneration	6.3 %
Admitted for emergency	50.4 %	Diabetes mellItus	4.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	68.6%	Hospital	5.6 Days
State	8.2%	State	9.4 Days
Outside State	23.2%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit
STAFFING: Total Number of Physicians	Organ/Tissue Transplant

^{*} Not used in calculating mortality rates

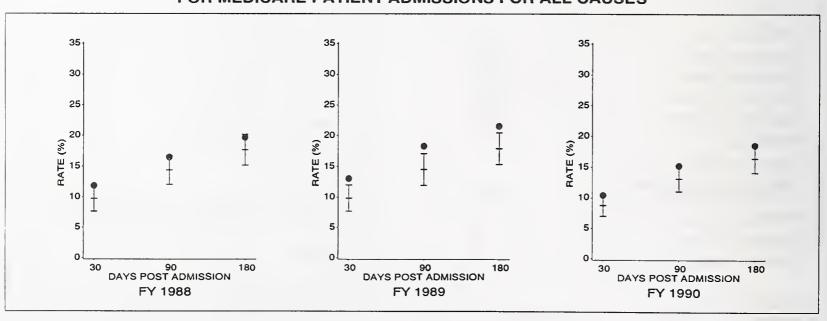
AMI FRYE REGIONAL MEDICAL CENTER

420 N CENTER ST HICKORY, NC 28601 Medicare Provider Number: 340116

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	DAYS	>
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1707	10.4	8.7	0.9	15.2	13.1	1.0	18.5	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	74	20.3	23.0	5.3	25.7	26.2	5.9	28.4	29.0	5.3
Congestive Heart Failure	69	15.9	14.5	4.5	30.4	22.8	7.2	40.6	28.9	9.2
Pneumonia/Influenza	72	18.1	15.1	5.2	22.2	20.6	8.0	29.2	24.4	8.5
Chronic Obstructive Pulmonary Disease	22	13.6	6.8		13.6	12.0		22.7	16.4	••••
Transient Cerebral Ischemia	19	0.0	1.8		0.0	4.0		0.0	6.6	
Stroke	67	19.4	21.1	8.2	31.3	27.7	7.7	32.8	31.3	7.4
Hip Fracture	52	5.8	5.1	3.4	5.8	8.9	5.8	13.5	11.7	4.8
Sepsis	14	28.6	21.0	••••	35.7	28.9		35.7	32.9	
PROCEDURES:										
Angioplasty	20	5.0	3.5		5.0	4.6		5.0	5.7	
Coronary Artery Bypass Graft	57	0.0	5.5	4.2	1.8	7.6	4.9	1.8	8.5	5.1
Initial Pacemaker Insertion	9	0.0	4.2		0.0	7.0		0.0	9.4	
Carotid Endarterectomy	16	6.3	0.9		6.3	1.8		12.5	2.8	••••
Hip Replacement/Reconstruction	54	0.0	2.6	2.8	0.0	4.8	4.6	7.4	6.4	4.0
Open Reduction of Hip Fracture	22	13.6	4.9		13.6	8.6		13.6	11.5	
Prostatectomy	53	1.9	0.7	1.4	1.9	1.7	2.4	5.7	2.9	3.3
Cholecystectomy	54	7.4	2.1	4.7	9.3	3.5	5.8	11.1	4.4	6.7
Hysterectomy	23	0.0	0.2	•-••	0.0	0.6		0.0	1.0	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.



AMI FRYE REGIONAL MEDICAL CENTER Medicare Provider Number: 340116

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

			0.0.07
Average age at admission	72.9 years	Cancer	6.9 %
Proportion female	56.5 %	Chronic cardiovascular disease	40.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	55.5 %	Chronic renal disease	6.7 %
Transferred from skilled nursing facility	0.6 %	Chronic pulmonary disease	19.4 %
Admitted for elective procedure	36.1 %	Cerebrovascular degeneration	3.9 %
Admitted for emergency	43.4 %	Dlabetes mellitus	9.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	60.1%	Hospital	9.0 Days
State	38.0%	State	9.4 Days
Outside State	1.9%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Sur	y Year 1990
PROFILE:	SPECIALTY SERVICES:
Total Beds 2	Burn Unit No
Occupancy Rate 54.0	6 Cardlac Intensive Care Yes
Ownership/Control Private, For Pro	Comprehensive Gerlatric No
Medicare Discharges	6 Hospice Care No
Case Mix Index (CMI) 1.63	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 1	Other Intensive Care No
Percent of Physicians Board Certifled Specialists	Trauma Center No
Medical Residents/Interns	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses	Alcohol/Drug No
	RehabilitationYes
Elocitoda i ractical registro	Psychiatric Yes
* Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

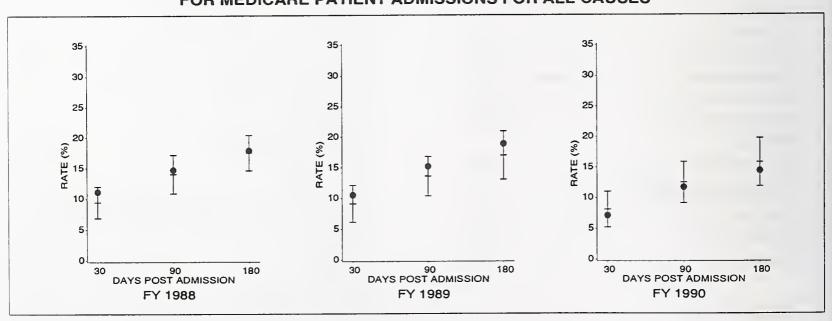
ANGEL COMMUNITY HOSPITAL

RIVERVIEW AT WHITE OAK ST FRANKLIN, NC 28734 Medicare Provider Number: 340012

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

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^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ANGEL COMMUNITY HOSPITAL Medicare Provider Number: 340012

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission 75	5.2 years	Cancer	7.0 %
Proportion female 52	2.9 %	Chronic cardiovascular disease	27.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician 51	1.0 %	Chronic renal disease	0.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.7 %
Admitted for elective procedure 12	2.8 %	Cerebrovascular degeneration	5.7 %
Admitted for emergency 48	8.0 %	Diabetes mellitus	10.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	72.3%	Hospital	6.2 Days
State	12.0%	State	9.4 Days
Outside State	15.7%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 81	Burn Unit No
Occupancy Rate 66.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 50.8 %	Hospice Care No
Case Mix Index (CMI) 1.0507	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 28	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses 48	Rehabilitation No
Licensed Practical Nurses	Psychiatric Yes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

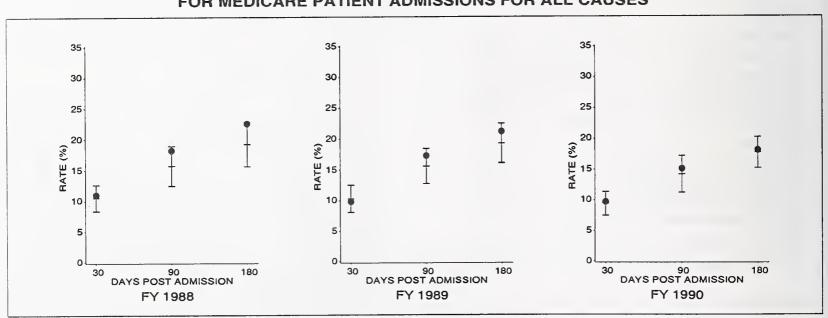
ANNIE PENN MEMORIAL HOSPITAL

618 S MAIN ST REIDSVILLE, NC 27320 Medicare Provider Number: 340007

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	Y RATE	S (%)			
		3	30 DAY	S	9	0 DAYS	S	18	0 DAYS	>
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1018	9.7	9.4	1.0	15.1	14.2	1.5	18.1	17.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	24	29.2	28.2		33.3	31.6		37.5	34.2	
Congestive Heart Failure	66	12.1	15.7	5.9	21.2	24.9	8.2	34.8	31.4	10.7
Pneumonia/Influenza	73	13.7	13.7	4.2	16.4	19.1	6.2	17.8	22.6	7.8
Chronic Obstructive Pulmonary Disease	39	5.1	6.7		10.3	11.4		10.3	15.3	
Transient Cerebral Ischemia	25	0.0	1.8		0.0	4.1		0.0	6.5	
Stroke	59	23.7	17.6	5.7	28.8	23.8	6.0	32.2	27.8	6.4
Hip Fracture	23	8.7	4.8		21.7	8.7		21.7	11.7	
Sepsis	25	4.0	18.4		16.0	26.8		16.0	31.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	6.1		0.0	9.9		0.0	12.4	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	4.0		14.3	7.4		14.3	10.4	
Open Reduction of Hip Fracture	10	10.0	3.9		30.0	7.4		30.0	9.9	
Prostatectomy	24	0.0	1.4		0.0	3.2		4.2	5.4	
Cholecystectomy	30	3.3	2.4		6.7	4.3		6.7	5.7	
Hysterectomy	7	0.0	0.1		0.0	0.4		0.0	0.7	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ANNIE PENN MEMORIAL HOSPITAL Medicare Provider Number: 340007

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.4 years	Cancer	7.6 %
Proportion female	58.8 %	Chronic cardlovascular disease	36.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.7 %
Referred by personal or HMO physician	37.8 %	Chronic renal disease	4.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	17.5 %
Admitted for elective procedure	16.7 %	Cerebrovascular degeneration	3.5 %
Admitted for emergency		Diabetes mellitus	16.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

DRIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	90.0%	Hospital	9.9 Days
State	8.7%	State	9.4 Days
Outside State	1.3%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 134	Burn Unit No
Occupancy Rate 83.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 40.8 %	Hospice Care No
Case Mix Index (CMI) 1.1184	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Practical Nurses5	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

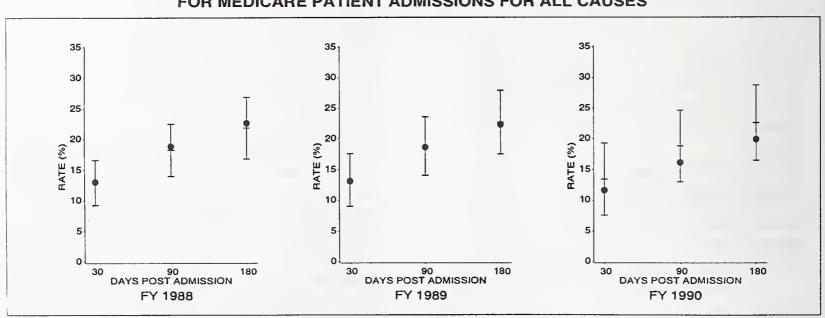
ANSON COUNTY HOSPITAL

500 MORVEN ROAD WADESBORO, NC 28170 Medicare Provider Number: 340084

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	PRTALIT	Y RATE	S (%)			
		3	30 DAY	S	9	0 DAYS	5	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	361	11.6	13.4	2.9	16.1	18.8	2.9	19.9	22.6	3.1
CONDITIONS:										
Acute Myocardial Infarction	13	38.5	34.3		38.5	37.5		46.2	40.6	*****
Congestive Heart Failure	40	12.5	14.9		15.0	22.8		25.0	29.3	
Pneumonia/Influenza	42	14.3	20.4		21.4	27.0		23.8	31.0	
Chronic Obstructive Pulmonary Disease	2	0.0	11.6		0.0	19.2		50.0	23.6	
Transient Cerebral Ischemia	3	0.0	4.2		33.3	9.2		33.3	14.3	•
Stroke	37	16.2	23.5		29.7	30.3		37.8	34.4	
Hip Fracture	0									
Sepsis	4	0.0	22.3		0.0	26.3	****	0.0	30.5	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.3		0.0	0.7		0.0	1.3	
Cholecystectomy	1	0.0	0.5		0.0	1.0		0.0	1.3	
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ANSON COUNTY HOSPITAL Medicare Provider Number: 340084

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.2 years	Cancer	3.9 %
Proportion female	58.7 %	Chronic cardiovascular disease	52.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.6 %
Referred by personal or HMO physician	14.7 %	Chronic renal disease	8.6 %
Transferred from skilled nursing facility	1.4 %	Chronic pulmonary disease	11.6 %
Admitted for elective procedure	0.8 %	Cerebrovascular degeneration	3.3 %
Admitted for emergency	95.8 %	Diabetes mellitus	10.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	90.7%	Hospital	6.3 Days
State	8.0%	State	9.4 Days
Outside State	1.3%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	ю
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 90.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 39.5 %	Hospice Care No
Case Mix Index (CMI) 1.0154	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
Medical Residents/Interns (Not Available)	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses(Not Available)	Alcohol/DrugNo
Licensed Practical Nurses (Not Available)	RehabilitationNo
(Not Available)	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

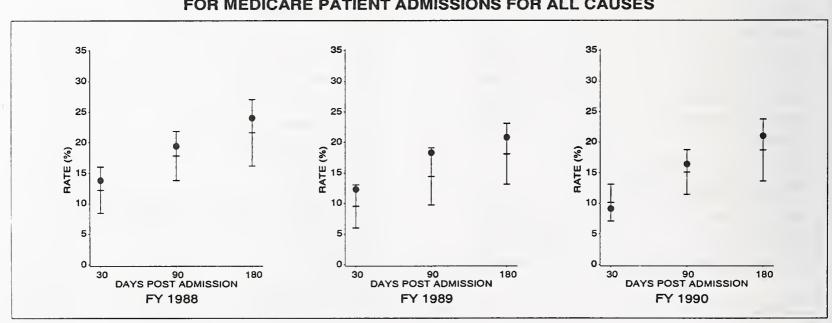
ASHE MEMORIAL HOSPITAL

HWY 221 S, BOX 8 JEFFERSON, NC 28640 Medicare Provider Number: 340072

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	DRTALIT	Y RATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	>
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	580	9.1	10.1	1.5	16.4	15.1	1.8	21.0	18.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	34	5.9	24.3		14.7	27.6		17.6	30.4	
Congestive Heart Failure	20	5.0	11.1		25.0	17.6		40.0	23.0	
Pneumonia/Influenza	56	19.6	15.4	6.0	25.0	21.1	6.3	33.9	25.3	8.9
Chronic Obstructive Pulmonary Disease	5	0.0	5.1		0.0	9.5		20.0	13.2	
Transient Cerebral Ischemia	6	16.7	5.3		16.7	12.2		33.3	18.6	
Stroke	18	22.2	25.9		27.8	33.9		27.8	38.2	
Hip Fracture	19	0.0	6.6		0.0	11.4		5.3	14.9	
Sepsis	4	0.0	24.4		25.0	34.5		50.0	40.0	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.7		0.0	5.5		0.0	7.9	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	6.5		0.0	11.8		8.3	15.7	
Open Reduction of Hip Fracture	4	0.0	6.4		0.0	10.5		0.0	13.4	
Prostatectomy	0									
Cholecystectomy	8	12.5	2.5		12.5	4.3		12.5	5.9	
Hysterectomy	1	0.0	0.0		0.0	0.1		0.0	0.1	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ASHE MEMORIAL HOSPITAL Medicare Provider Number: 340072

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	76.1 years	Cancer	7.1 %
Proportion female	56.2 %	Chronic cardiovascular disease	48.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	49.1 %	Chronic renal disease	2.8 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	19.5 %
Admitted for elective procedure	3.1 %	Cerebrovascular degeneration	6.6 %
Admitted for emergency	49.8 %	Diabetes mellitus	8.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	ME	DICARE AVERAGE LENGTH OF STAY:	
County/City 85.6	5% F	lospital	6.8 Days
State 8.9)% S	tate	9.4 Days
Outside State	5% N	lational	8.6 Days
Total 100.0)%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 57	Burn Unit No
Occupancy Rate 43.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 52.4 %	Hospice Care No
Case Mix Index (CMI) 1.0531	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
Medical Residents/Interns0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses	Alcohol/Drug No
Licensed Practical Nurses	Rehabilitation No
10	Psychlatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

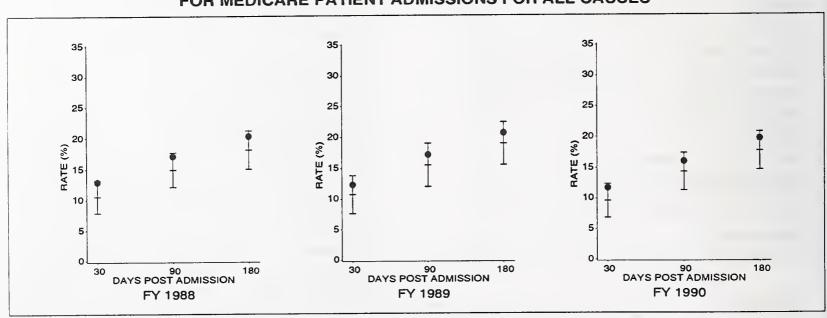
BEAUFORT COUNTY HOSPITAL

628 E 12TH ST WASHINGTON, NC 27889 Medicare Provider Number: 340038

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)			
		;	30 DAY	S	9	0 DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1057	11.7	9.6	1.4	16.0	14.3	1.5	19.7	17.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	41	31.7	22.5		34.1	25.0		39.0	27.6	
Congestive Heart Fallure	83	27.7	15.4	8.6	33.7	24.5	8.5	43.4	31.1	9.1
Pneumonia/influenza	63	23.8	17.1	8.3	25.4	23.0	7.7	30.2	27.0	8.2
Chronic Obstructive Pulmonary Disease	24	8.3	7.5		20.8	13.1		20.8	17.6	
Transient Cerebral Ischemia	7	0.0	1.3		0.0	2.8		0.0	4.3	
Stroke	44	29.5	17.8		36.4	24.1		38.6	27.8	
Hip Fracture	27	0.0	6.5		11.1	11.5		14.8	14.9	
Sepsis	13	30.8	21.9		46.2	29.4	••••	46.2	33.0	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.0	••••	8.3	7.5		8.3	10.1	
Carotid Endarterectomy	3	0.0	1.9		0.0	3.3		0.0	4.5	
Hip Replacement/Reconstruction	12	0.0	3.6		0.0	6.9		16.7	9.4	
Open Reduction of Hip Fracture	14	0.0	6.6		14.3	11.8		14.3	15.6	
Prostatectomy	40	2.5	1.1		2.5	2.4		2.5	4.1	
Cholecystectomy	23	4.3	4.5		8.7	7.8		13.0	9.8	
Hysterectomy	. 8	0.0	0.1	••••	0.0	0.2		0.0	0.4	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BEAUFORT COUNTY HOSPITAL Medicare Provider Number: 340038

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.8 years	Cancer	6.2 %
Proportion female		Chronic cardiovascular disease	56.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	47.0 %	Chronic renal disease	1.8 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.0 %
Admitted for elective procedure		Cerebrovascular degeneration	5.9 %
Admitted for emergency		Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	71.4%	Hospital	7.5 Days
State		State	9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 57.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges45.8 %	Hospice Care N
Case Mix Index (CMI) 1.2113	Medical/Surgical Intensive CareYe
STAFFING:	Organ/Tissue Transplant N
Total Number of Physicians40	Other Intensive Care N
Percent of Physicians Board Certified Specialists	Trauma Center N
_	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugN
Registered Nurses 98	RehabilitationN
Licensed Practical Nurses	Psychiatric N
	Medicare Swing BedsYe

^{*} Not used in calculating mortality rates

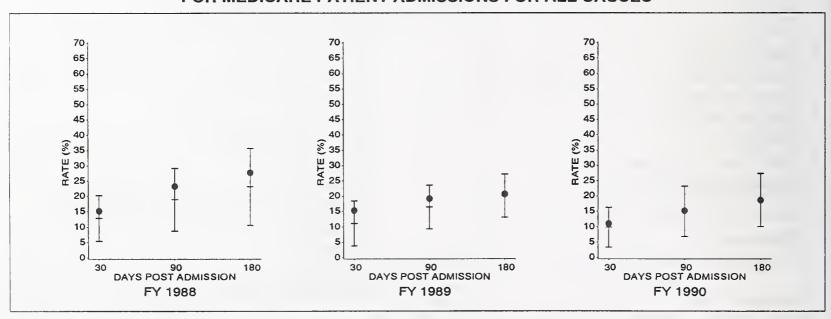
BERTIE MEMORIAL HOSPITAL

401 STERLINGWORTH ST WINDSOR, NC 27983 Medicare Provider Number: 340101

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	DRTALIT	Y RATE	S (%)			
		3	30 DAY	S	9	DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	145	11.0	9.8	3.2	15.2	15.0	4.1	18.6	18.7	4.3
CONDITIONS:										
Acute Myocardial Infarction	6	0.0	32.5		16.7	35.9		16.7	38.2	
Congestive Heart Failure	17	23.5	14.2		23.5	21.6		23.5	27.1	
Pneumonia/Influenza	10	10.0	15.5		10.0	20.7		10.0	23.9	
Chronic Obstructive Pulmonary Disease	3	33.3	8.3		33.3	14.0		33.3	18.2	
Transient Cerebral Ischemia	4	0.0	1.9		0.0	4.6		25.0	7.8	
Stroke	10	10.0	12.9		10.0	18.7		10.0	22.0	
Hip Fracture	0									
Sep s is	2	50.0	43.3		50.0	58.3		50.0	63.5	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	4.3	***	0.0	7.7		0.0	9.1	
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BERTIE MEMORIAL HOSPITAL Medicare Provider Number: 340101

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.2 years	Cancer	4.8 %
Proportion female		Chronic cardiovascular disease	45.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	2.1 %
Referred by personal or HMO physician	33.1 %	Chronic renal disease	2.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	11.0 %
Admitted for elective procedure		Cerebrovascular degeneration	4.1 %
Admitted for emergency		Diabetes mellitus	9.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	94.1% 5.1% 0.8%	Hospital State National	7.0 Days 9.4 Days 8.6 Days

Occupancy Rate	Occupancy Rate	PROFILE:		SPECIALTY SERVICES:
Ownership/Control	Ownership/Control	Total Beds	49	Burn Unit No
Ownership/Control	Ownership/Control	Occupancy Rate	46.0 %	Cardiac Intensive Care No
Case Mix Index (CMI) 0.9797 Medical/Surgical Intensive Care Organ/Tissue Transplant Other Intensive Care Other Intensive Care OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug Registered Nurses 4	Case Mix Index (CMI) 0.9797 STAFFING: Organ/Tissue Transplant Total Number of Physicians 6 Percent of Physicians Board Certified Specialists 100.0 % Medical Residents/Interns 0 Registered Nurses 9 Licensed Practical Nurses 4 Medical/Surgical Intensive Care Organ/Tissue Transplant Other Intensive Care Trauma Center OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug Rehabilitation Psychiatric	Ownership/Control Local C	Government	Comprehensive Geriatric No
Total Number of Physicians 6 Other Intensive Care 7 OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug 7 Repaired Nurses 9 Rehabilitation 7 Repaired Nurses 4	Total Number of Physicians 6 Percent of Physicians Board Certified Specialists 100.0 % Medical Residents/Interns 0 Registered Nurses 9 Licensed Practical Nurses 4 Organ/Tissue Transplant	Medicare Discharges(No	ot Available)	Hospice CareYes
Total Number of Physicians 6 Other Intensive Care	Total Number of Physicians 6 Other Intensive Care	Case Mix Index (CMI)	0.9797	Medical/Surgical Intensive Care No
Percent of Physicians Board Certified Specialists 100.0 % Medical Residents/Interns 0 Registered Nurses 9 Licensed Practical Nurses 4	Percent of Physicians Board Certified Specialists	STAFFING:		Organ/Tissue Transplant No
Certified Specialists 100.0 % Medical Residents/Interns 0 Registered Nurses 9 Licensed Bractical Nurses 4	Certified Specialists 100.0 % Medical Residents/Interns 0 Registered Nurses 9 Licensed Practical Nurses 4 OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug 8 Rehabilitation 9 Psychiatric 9	Total Number of Physicians	6	Other Intensive Care No
Medical Residents/Interns 0 Registered Nurses 9 Licensed Practical Nurses 4	Medical Residents/Interns 0 Registered Nurses 9 Licensed Practical Nurses 4 OTHER SPECIALTY/HOSPITAL-BASED SERVICES. Alcohol/Drug Penabilitation Psychiatric	Percent of Physicians Board	100.0.9/	Trauma Center No
Registered Nurses 9 Licensed Bractical Nurses 4	Registered Nurses 9 Licensed Practical Nurses 4 Psychiatric		_	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses 9 Rehabilitation	Registered Nurses 9 Licensed Practical Nurses 4 Psychiatric	Medical Residents/Interns	0	Alcohol/Drug No
Licensed Practical Nurses 4	Licensed Practical Nurses	Registered Nurses	9	
		Licensed Practical Nurses	4	

^{*} Not used in calculating mortality rates

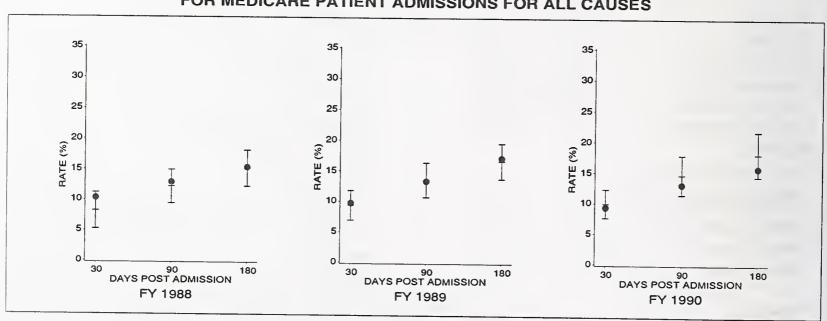
BETSY JOHNSON MEMORIAL HOSPITAL

800 TILGHMAN DR DUNN, NC 28334 Medicare Provider Number: 340071

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	ES (%)			
04750000			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	795	9.3	9.9	1.2	13.0	14.6	1.6	15.7	18.0	1.8
CONDITIONS:								.0.,	10.0	1.0
Acute Myocardial Infarction	37	32.4	26.2	*****	35.1	30.1		35.1	33.1	
Congestive Heart Failure	59	11.9	14.8	5.6	20.3	23.8	6.3	28.8	30.5	7.0
Pneumonia/Influenza	33	18.2	16.8		18.2	22.7		21.2	26.2	
Chronic Obstructive Pulmonary Disease	17	0.0	6.8		11.8	13.0		11.8	18.0	
Transient Cerebral Ischemia	15	0.0	2.2		0.0	5.1		0.0	8.2	
Stroke	39	12.8	22.1		12.8	27.2		15.4	30.8	
Hip Fracture	11	18.2	11.5		18.2	18.6		27.3	22.5	
Sepsis	8	0.0	29.1	••••	25.0	36.6		25.0	41.2	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	6.4		0.0	9.7		0.0	12.1	
Open Reduction of Hip Fracture	8	25.0	11.1		25.0	19.2		37.5	23.5	
Prostatectomy	20	0.0	1.1		0.0	2.5		0.0	4.2	
Cholecystectomy	33	0.0	1.6		0.0	2.9		0.0	3.8	
Hysterectomy	8	0.0	0.3		0.0	0.6		0.0	1.1	*****

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BETSY JOHNSON MEMORIAL HOSPITAL Medicare Provider Number: 340071

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.7 years	Cancer	5.3 %
Proportion female	58.6 %	Chronic cardiovascular disease	48.3 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.6 %
Referred by personal or HMO physician	42.8 %	Chronic renal disease	3.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	17.9 %
Admitted for elective procedure		Cerebrovascular degeneration	5.0 %
Admitted for emergency		Diabetes mellitus	10.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	67.4%	Hospital	6.7 Days
State	31.3%	State	9.4 Days
Outside State	1.3%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year	r 1990
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

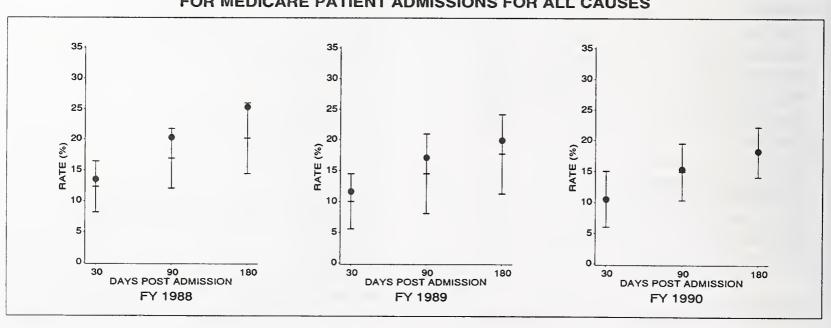
BLADEN COUNTY HOSPITAL

HOSPITAL DR, BOX 398 ELIZABETHTOWN, NC 28337 Medicare Provider Number: 340022

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	523	10.5	10.5	2.3	15.3	14.9	2.3	18.2	18.1	2.0	
CONDITIONS:											
Acute Myocardial Infarction	32	43.8	30.0		50.0	32.9		50.0	35.7		
Congestive Heart Failure	32	12.5	11.5		12.5	17.9		21.9	23.3		
Pneumonia/Influenza	33	18.2	18.3		27.3	24.6		27.3	28.5		
Chronic Obstructive Pulmonary Disease	13	7.7	6.8		7.7	12.0		7.7	16.1		
Transient Cerebral Ischemia	13	0.0	1.5		0.0	3.5	••••	0.0	6.0		
Stroke	42	19.0	15.0		23.8	21.0		31.0	24.6		
Hip Fracture	10	10.0	9.6		20.0	16.7		20.0	20.8		
Sepsis	16	12.5	17.2		12.5	22.1		12.5	25.8		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	8	12.5	10.3		25.0	18.0		25.0	22.5		
Open Reduction of Hip Fracture	3	0.0	7.4		33.3	13.6		33.3	17.3		
Prostatectomy	0										
Cholecystectomy	13	0.0	1.2		0.0	2.1		7.7	2.8	•••••	
Hysterectomy	5	0.0	1.0		0.0	2.3		0.0	3.7	••••	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BLADEN COUNTY HOSPITAL

Medicare Provider Number: 340022

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.1 years	Cancer	2.9 %
Proportion female	59.7 %	Chronic cardiovascular disease	35.0 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	24.9 %	Chronic renal disease	0.8 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.9 %
Admitted for elective procedure		Cerebrovascular degeneration	4.0 %
Admitted for emergency		Diabetes mellitus	14.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City80.5%	Hospital	6.7 Days
State 18.4%	State	9.4 Days
Outside State 1.1%	National	8.6 Days
Total 100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 48	Burn Unit No
Occupancy Rate 60.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 44.9 %	Hospice Care No
Case Mix Index (CMI) 1.0837	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
_	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses45	RehabilitationNo
Licensed Practical Nurses 5	Psychiatric No
	Medicare Swing BedsYes
** Except for CMI	Medicale Swilly Deus103

^{*} Not used in calculating mortality rates

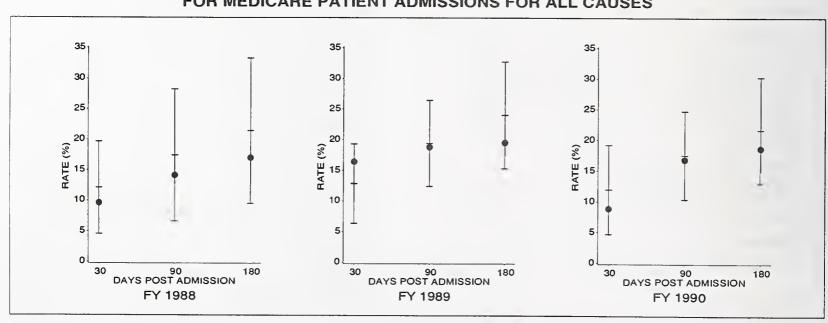
BLOWING ROCK HOSPITAL

CHESTNUT DR, BOX 148
BLOWING ROCK, NC 28605
Medicare Provider Number: 340045

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
		30 DAYS			90 DAYS			180 DAYS				
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	113	8.8	11.9	3.6	16.8	17.5	3.6	18.6	21.6	4.3		
CONDITIONS:												
Acute Myocardial Infarction	4	25.0	28.0		50.0	34.6		50.0	40.5			
Congestive Heart Failure	6	16.7	26.1		33.3	38.9		33.3	44.9			
Pneumonia/Influenza	3	66.7	24.5		66.7	34.7		66.7	40.6			
Chronic Obstructive Pulmonary Disease	3	0.0	3.5		0.0	6.5		0.0	9.9			
Transient Cerebral Ischemia	1	0.0	8.5		0.0	19.5		0.0	30.2			
Stroke	4	0.0	24.3	****	50.0	33.3		50.0	39.3			
Hip Fracture	0											
Sepsis	3	33.3	58.2		66.7	73.0		66.7	78.1			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	0											
Carotid Endarterectomy	0											
Hip Replacement/Reconstruction	0											
Open Reduction of Hip Fracture	0											
Prostatectomy	0											
Cholecystectomy	0											
Hysterectomy	0											

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BLOWING ROCK HOSPITAL Medicare Provider Number: 340045

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	77.5 years	Cancer	6.1 %
Proportion female		Chronic cardiovascular disease	36.0 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	3.5 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.2 %
Admitted for elective procedure		Cerebrovascular degeneration	3.5 %
Admitted for emergency		Diabetes mellitus	14.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	63.0%	Hospital	5.4 Days
State	27.5%	State	9.4 Days
Outside State	9.5%	National	8.6 Days
Total	100.0%		

	SPECIALTY SERVICES:
ROFILE:	A1-
Total Beds 100	
Occupancy Rate 85.0 %	Cardiac Intensive Care No
Ownership.ControlPrivate, Non-Profit	Comprehensive GeriatricYes
Medicare Discharges 44.5 %	Hospice Care No
Case Mix Index (CMI) 0.9350	Medical/Surgical Intensive Care No
TAFFING:	Organ/Tissue Transplant No
Total Number of Physicians26	Other Intensive Care No
Percent of Physicians Board Certified Specialists100.0 9	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES.
Medical Residents/Interns	Alcohol/DrugNo
Registered Nurses6	RehabilitationN
Licensed Practical Nurses	
	Medicare Swing BedsYes

^{*} Not used in calculating mortality rates

BLUE RIDGE HOSPITAL SYSTEM

125 HOSPITAL DR, BOX 9

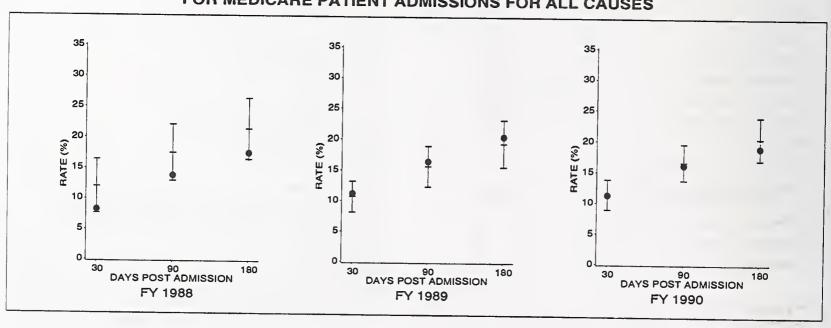
SPRUCE PINE, NC 28777

Medicare Provider Number: 340011

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY	NUMBER OF CASES		30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD	
ALL CAUSES	660	11.2	11.3	1.2	16.1	16.6	1.5	18.9	20.4	1.7	
CONDITIONS:								10.5	20.4	1.7	
Acute Myocardial Infarction	30	23.3	25.8		26.7	29.5		30.0	32.6		
Congestive Heart Failure	49	12.2	16.2	••••	28.6	25.0		28.6	31.3		
Pneumonia/Influenza	58	17.2	19.8	5.4	22.4	27.1	6.8	24.1	31.5	7.3	
Chronic Obstructive Pulmonary Disease	25	4.0	6.8	••••	4.0	12.0		4.0	15.9		
Transient Cerebral Ischemia	14	0.0	2.1	••••	0.0	4.6		0.0	7.5		
Stroke	23	26.1	26.5	••••	30.4	31.6		34.8	35.4		
Hip Fracture	5	20.0	9.9		40.0	17.6		40.0	21.7		
Sepsis	2	0.0	18.0	****	0.0	24.7		0.0	29.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	1	0.0	3.1		0.0	5.5		0.0	7.0		
Carotid Endarterectomy	0				0.0	0.0		0.0	7.0		
Hip Replacement/Reconstruction	1	0.0	7.8		0.0	14.4		0.0	18.1		
Open Reduction of Hip Fracture	2	50.0	15.4		100.0	27.7		100.0	34.0		
Prostatectomy	0							100.0	J-4.0		
Cholecystectomy	9	0.0	3.1	****	0.0	5.3		0.0	6.6		
Hysterectomy	0				2.0	0.0		0.0	0.0		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BLUE RIDGE HOSPITAL SYSTEM Medicare Provider Number: 340011

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	C 4 0/
Average age at admission	76.3 years	Cancer	6.1 %
Proportion female		Chronic cardiovascular disease	55.8 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.5 %
Referred by personal or HMO physician	25.3 %	Chronic renal disease	2.6 %
	0.0 %	Chronic pulmonary disease	18.0 %
Transferred from skilled nursing facility	0.3 %	Cerebrovascular degeneration	8.2 %
Admitted for elective procedure		Diabetes mellitus	9.8 %
Admitted for emergency	60.3 %	Diabetes montas	

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO		MEDICARE AVERAGE LENGTH OF STAY: Hospital	
State	41.5%	State	9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 66.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 48.7 %	Hospice Care No
Case Mix Index (CMI) 1.0051	Medical/Surgical Intensive CareYes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists 80.0 %	Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugNo
Registered Nurses41	RehabilitationNo
Licensed Practical Nurses	Psychiatric No
* Except for CMI	Medicare Swing Beds No

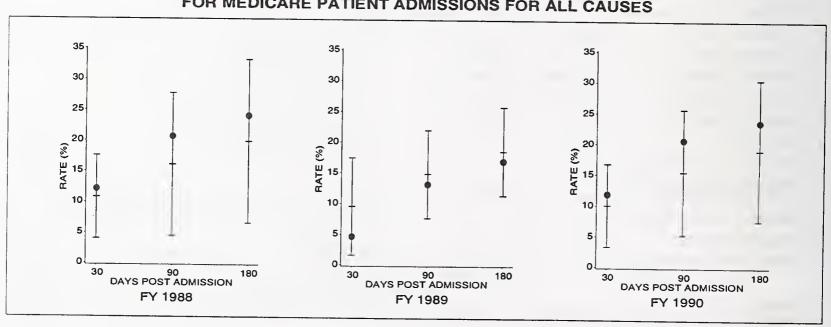
^{*} Not used in calculating mortality rates

BROUGHTON HOSPITAL-MEDICAL UNIT 1000 S STERLING ST MORGANTON, NC 28655 Medicare Provider Number: 340137

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATECORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	102	11.8	10.0	3.4	20.6	15.4	5.1	23.5	18.9	5.7	
CONDITIONS:								20.0	10.5	5.7	
Acute Myocardial Infarction	0										
Congestive Heart Failure	5	60.0	22.3		100.0	37.4		100.0	45.9		
Pneumonia/Influenza	6	16.7	12.4	•	33.3	18.3		50.0	22.7		
Chronic Obstructive Pulmonary Disease	1	0.0	3.8		0.0	8.8		0.0	13.5		
Transient Cerebral Ischemia	0										
Stroke	1	100.0	21.3		100.0	31.4		100.0	37.3		
Hip Fracture	13	7.7	5.8		15.4	10.1		15.4	12.7		
Sepsis	1	0.0	23.8		0.0	28.2		0.0	30.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	3	0.0	2.2	****	0.0	4.3		0.0	6.0		
Open Reduction of Hip Fracture	6	0.0	5.0		16.7	9.3		16.7	12.2		
Prostatectomy	2	0.0	0.8	*****	0.0	2.0		0.0	3.4		
Cholecystectomy	0							0.0	0.7		
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



BROUGHTON HOSPITAL-MEDICAL UNIT Medicare Provider Number: 340137

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	67.3 years	Cancer	2.0 %
Proportion female	48.0 %	Chronic cardiovascular disease	38.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	12.7 %	Chronic renal disease	5.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	32.4 %
Admitted for elective procedure		Cerebrovascular degeneration	23.5 %
Admitted for emergency	0.0 %	Diabetes mellitus	3.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	47.7%	Hospital	16.4 Days
State	51.6%	State	9.4 Days
Outside State	0.7%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 893	Burn Unit No
Occupancy Rate 82.0 %	Cardiac Intensive Care No
Ownership/Control State Government	Comprehensive Geriatric Yes
Medicare Discharges(Not Available)	Hospice Care No
Case Mix Index (CMI) 1.2952	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/DrugNo
Registered Nurses 187	Rehabilitation No
Licensed Practical Nurses	Psychiatric Yes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

C J HARRIS COMMUNITY HOSPITAL INC

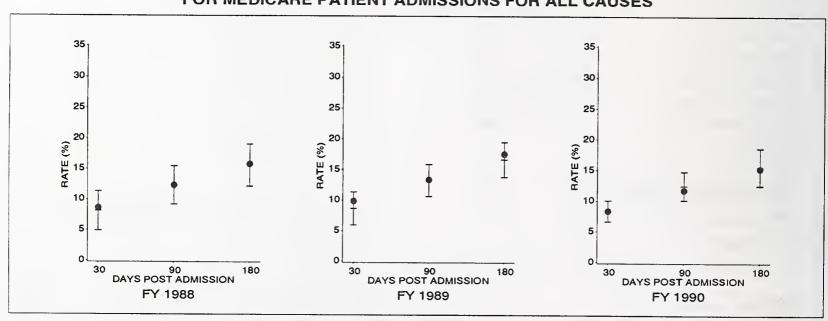
59 HOSPITAL RD SYLVA, NC 28779 Medicare Provider Number: 340016

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS				
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	1035	8.3	8.3	0.9	11.7	12.4	1.2	15.2	15.5	1.5		
CONDITIONS:												
Acute Myocardial Infarction	37	29.7	29.0		37.8	32.8		43.2	35.8			
Congestive Heart Failure	43	11.6	14.4		11.6	22.4		16.3	28.2			
Pneumonia/Influenza	86	3.5	13.4	4.4	8.1	18.7	5.6	9.3	22.3	5.6		
Chronic Obstructive Pulmonary Disease	6	16.7	7.2		16.7	12.2		16.7	16.3			
Transient Cerebral Ischemla	10	0.0	2.7		0.0	6.3		0.0	10.7			
Stroke	22	45.5	23.7		50.0	30.0		54.5	34.2			
Hip Fracture	26	7.7	6.4	****	7.7	11.0		7.7	14.2			
Sepsis	11	36.4	18.1		45.5	24.8		45.5	29.5			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	8	0.0	2.7		0.0	5.7		0.0	8.6			
Carotid Endarterectomy	0											
Hip Replacement/Reconstruction	25	0.0	3.7		0.0	6.2		0.0	8.1			
Open Reduction of Hip Fracture	9	22.2	5.1		22.2	9.5		22.2	12.9			
Prostatectomy	47	0.0	1.4	••••	2.1	3.3		4.3	5.8			
Cholecystectomy	23	0.0	1.2		0.0	2.0		0.0	2.5			
Hysterectomy	15	0.0	0.4		0.0	0.9		0.0	1.4			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



1.0 %

C J HARRIS COMMUNITY HOSPITAL INC

Medicare Provider Number: 340016

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:	
Average age at admission 74.6	0 years Cancer	5.7 %
Proportion female 55.0	0 % Chronic cardiovascular disease	38.8 %
ADMISSION SOURCES/TYPES:	Chronic liver disease	1.0 %
Referred by personal or HMO physician 44.	5 % Chronic renal disease	1.6 %
	3 % Chronic pulmonary disease	25.3 %
	2 % Cerebrovascular degeneration	7.2 %
Admitted for emergency	0 % Diabetes mellitus	7.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	56.8%	Hospital	6.5 Days
State	35.8%	State	9.4 Days
Outside State	7.4%	National	8.6 Days
Totai	100.0%		

SOURCE: AHA Annual Survey of Hospitais** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 146	Burn Unit No
Occupancy Rate 78.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 33.3 %	Hospice Care Yes
Case Mix Index (CMI) 1.1366	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transpiant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certifled Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
inicalcal ficologists into the initial	Aicohoi/DrugNo
Registered Nurses 88	RehabilitationNo
Licensed Practical Nurses	Psychiatric No
* Except for CMi	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

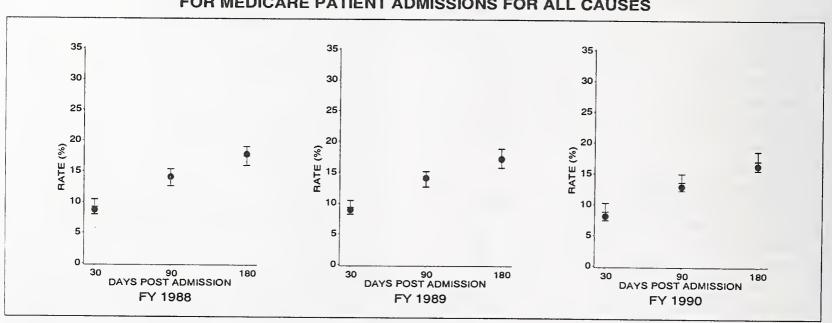
CABARRUS MEMORIAL HOSPITAL

920 CHURCH ST N CONCORD, NC 28025 Medicare Provider Number: 340001

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
	NUMBER OF CASES	30 DAYS			90 DAYS			18	180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	3161	8.1	8.8	0.7	12.9	13.6	0.7	16.2	17.0	0.8		
CONDITIONS:												
Acute Myocardial Infarction	121	21.5	21.6	4.8	29.8	24.8	5.4	34.7	27.5	6.3		
Congestive Heart Failure	185	9.2	14.0	3.6	23.2	22.3	4.0	28.1	28.2	3.3		
Pneumonia/Influenza	224	13.8	16.5	4.1	20.5	23.0	3.9	27.7	27.1	3.8		
Chronic Obstructive Pulmonary Disease	58	8.6	5.0	5.4	13.8	9.2	7.3	15.5	12.6	7.2		
Transient Cerebral Ischemia	17	0.0	1.9		0.0	4.0		0.0	6.3			
Stroke	153	15.0	18.4	5.3	20.9	25.8	6.3	24.8	29.9	5.8		
Hip Fracture	86	2.3	6.1	4.0	9.3	11.1	4.1	11.6	14.5	4.4		
Sepsis	12	25.0	25.1		33.3	33.6		33.3	39.0			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	8	0.0	2.6		0.0	5.2		0.0	7.7			
Carotid Endarterectomy	18	0.0	1.0		0.0	1.8		0.0	2.7			
Hip Replacement/Reconstruction	56	1.8	3.4	3.7	5.4	6.6	4.3	7.1	9.0	4.4		
Open Reduction of Hip Fracture	31	0.0	6.2		9.7	11.8		12.9	16.0			
Prostatectomy	77	5.2	1.1	3.4	5.2	2.7	2.9	6.5	4.5	3.0		
Cholecystectomy	97	1.0	2.3	2.1	3.1	4.1	3.9	3.1	5.5	4.6		
Hysterectomy	22	0.0	0.3		0.0	0.8		0.0	1.3			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CABARRUS MEMORIAL HOSPITAL Medicare Provider Number: 340001

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission Proportion female ADMISSION SOURCES/TYPES: Referred by personal or HMO physician Transferred from skilled nursing facility Admitted for elective procedure	58.9 % 23.7 % 0.0 %	Chronic cardiovascular disease Chronic liver disease Chronic renal disease Chronic pulmonary disease Cerebrovascular degeneration	
Admitted for emergency		Diabetes mellitus	9.8 76

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: 78.5% County/City 20.1% State 1.4% Total 100.0%	MEDICARE AVERAGE LENGTH OF STAY: Hospital State National	9.4 Days	
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PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit
Case Mix Index (CMI)	Organ/Tissue Transplant

^{*} Not used in calculating mortality rates

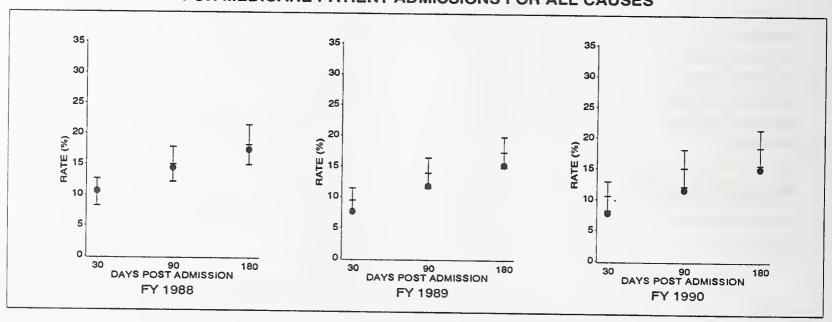
CALDWELL MEMORIAL HOSPITAL

321 MULBERRY ST SW LENOIR, NC 28645 Medicare Provider Number: 340041

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			18	180 DAYS		
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1266	7.7	10.5	1.2	11.5	15.1	1.5	14.9	18.4	1.4	
CONDITIONS:											
Acute Myocardial Infarction	52	26.9	32.4	7.6	34.6	34.9	7.0	36.5	37.6	7.4	
Congestive Heart Failure	61	13.1	11.6	7.2	19.7	18.5	5.7	23.0	24.0	5.8	
Pneumonia/Influenza	97	8.2	13.9	4.6	10.3	18.8	5.2	12.4	22.2	5.9	
Chronic Obstructive Pulmonary Disease	31	3.2	6.5		6.5	11.4		6.5	15.7		
Transient Cerebral Ischemia	25	0.0	2.0		0.0	4.3		4.0	6.6		
Stroke	48	22.9	20.5		29.2	26.1		37.5	29.7		
Hip Fracture	36	2.8	6.0		2.8	10.2		5.6	13.1		
Sepsis	35	14.3	26.5		20.0	34.5		22.9	39.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	11	0.0	7.5		9.1	13.7		27.3	18.6		
Carotid Endarterectomy	4	0.0	1.7		0.0	3.0		0.0	4.3		
Hip Replacement/Reconstruction	20	0.0	5.1		0.0	8.8		0.0	11.3		
Open Reduction of Hip Fracture	4	0.0	4.3		0.0	7.9		0.0	10.6		
Prostatectomy	34	0.0	1.7		8.8	3.7		8.8	6.0		
Cholecystectomy	20	0.0	3.3		0.0	6.0		5.0	8.0		
Hysterectomy	5	0.0	0.3		0.0	0.7	•••••	0.0	1.2		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CALDWELL MEMORIAL HOSPITAL Medicare Provider Number: 340041

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.4 years	Cancer	5.1 %
Proportion female		Chronic cardiovascular disease	43.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	41.1 %	Chronic renal disease	8.5 %
Transferred from skilled nursing facility		Chronic pulmonary disease	20.1 %
Admitted for elective procedure		Cerebrovascular degeneration	3.6 %
Admitted for emergency		Diabetes mellitus	13.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	85.2% 13.5% 1.3%	Hospital State National	7.5 Days 9.4 Days 8.6 Days

ROFILE:	SPECIALTY SERVICES:
Total Beds 1	0 Burn Unit N
Occupancy Rate 75.0	% Cardiac Intensive Care N
Ownership.Control Private, Non-Pro	it Comprehensive Geriatric Ye
Medicare Discharges	% Hospice Care N
Case Mix Index (CMI) 1.23	9 Medical/Surgical Intensive Care Ye
TAFFING:	Organ/Tissue Transplant N
Total Number of Physicians	Other Intensive Care
Percent of Physicians Board Certified Specialists73.	Trauma Center N
	_ OTHER SPECIALITYHOSPITAL-BASED SERVICES.
Medical Residents/Interns	O Alcohol/Drug N
Registered Nurses 1	nenabilitation
Licensed Practical Nurses	Psychiatric N
	Medicare Swing Beds N

^{*} Not used in calculating mortality rates

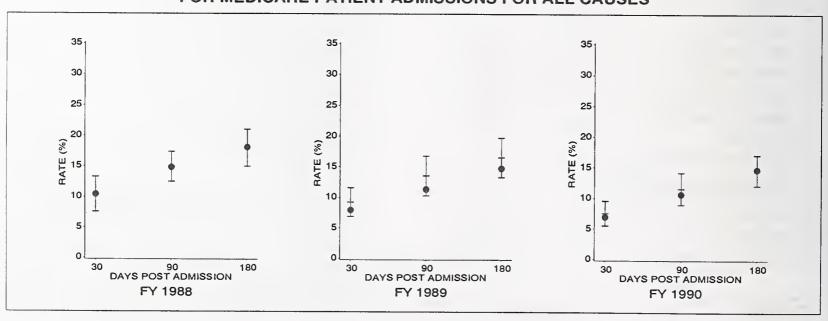
CAPE FEAR MEMORIAL HOSPITAL INC

5301 WRIGHTSVILLE AV WILMINGTON, NC 28403 Medicare Provider Number: 340094

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3	
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	893	6.9	7.5	1.0	10.6	11.5	1.3	14.6	14.5	1.3	
CONDITIONS:											
Acute Myocardial Infarction	16	25.0	24.0		25.0	27.4		37.5	30.2		
Congestive Heart Failure	50	18.0	13.9		22.0	22.4		30.0	28.8		
Pneumonia/Influenza	22	13.6	11.7		22.7	16.2		27.3	19.8		
Chronic Obstructive Pulmonary Disease	18	0.0	5.7		5.6	10.7		11.1	15.0		
Transient Cerebral Ischemia	14	0.0	1.7	*****	7.1	3.9		21.4	6.2		
Stroke	26	19.2	18.2		26.9	24.7		26.9	29.0		
Hip Fracture	38	5.3	4.2		10.5	7.8		13.2	10.6		
Sepsis	15	33.3	25.6		40.0	33.0		40.0	37.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	7	14.3	3.8		14.3	7.5		14.3	10.9		
Carotid Endarterectomy	11	0.0	1.5		0.0	2.8		0.0	4.1		
Hip Replacement/Reconstruction	31	0.0	2.1		0.0	4.1		0.0	5.8		
Open Reduction of Hip Fracture	15	6.7	3.4		20.0	6.6		26.7	9.0		
Prostatectomy	10	0.0	1.0		0.0	2.4		0.0	4.0		
Cholecystectomy	23	4.3	3.0		8.7	4.7		8.7	5.7		
Hysterectomy	13	0.0	0.5		7.7	1.1		7.7	1.7		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CAPE FEAR MEMORIAL HOSPITAL INC

Medicare Provider Number: 340094

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission	Cancer

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	l :	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	67.2% 29.9%	Hospital State National	8.5 Days 9.4 Days 8.6 Days
Total	100.0%		

Occupancy Rate 67.0 % Cardiac Intensive Care N Ownership.Control Private, Non-Profit Comprehensive Geriatric N Medicare Discharges 35.0 % Hospice Care Ye Case Mix Index (CMI) 1.3835 Medical/Surgical Intensive Care Ye STAFFING: Organ/Tissue Transplant N Total Number of Physicians 59 Other Intensive Care N Percent of Physicians Board Certified Specialists 84.7 % Trauma Center N Medical Residents/Interns 0 Alcohol/Drug N Alcohol/Drug N Rehabilitation N	PROFILE:	SPECIALTY SERVICES:
Ownership.Control	Total Beds 81	Burn Unit No
Medicare Discharges	Occupancy Rate 67.0 %	Cardiac Intensive Care No
Case Mix Index (CMI)	Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Total Number of Physicians 59 Percent of Physicians Board Certified Specialists 84.7 % Medical Residents/Interns 0 Registered Nurses 120 Licensed Practical Nurses 2	Medicare Discharges 35.0 %	Hospice Care Yes
Total Number of Physicians 59 Percent of Physicians Board Certified Specialists 84.7 % Medical Residents/Interns 0 Registered Nurses 120 Licensed Practical Nurses 2	Case Mix Index (CMI) 1.3835	Medical/Surgical Intensive Care Yes
Percent of Physicians Board Certified Specialists Medical Residents/Interns O Registered Nurses 120 Rehabilitation Nother intersive Care	TAFFING:	Organ/Tissue Transplant No
Certified Specialists 84.7 % Medical Residents/Interns 0 Registered Nurses 120 Licensed Practical Nurses 2	Total Number of Physicians59	Other Intensive Care No
Medical Residents/Interns 0 Registered Nurses 120 Licensed Practical Nurses 2	Percent of Physicians Board	Trauma Center No
Registered Nurses		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Licensed Practical Nurses 2	Wiedloai (Tesidonis) midris	Alcohol/DrugNo
Licensed Practical Nurses	Registered Nurses 120	Rehabilitation No
	Licensed Practical Nurses 2	Psychlatric No

^{*} Not used in calculating mortality rates

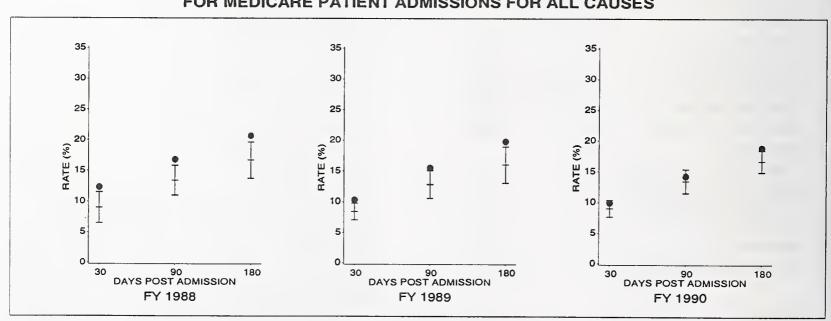
CAPE FEAR VALLEY MEDICAL CENTER

1638 OWEN DRIVE, BOX 2000
FAYETTEVILLE, NC 28304
Medicare Provider Number: 340028

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)				
			30 DAY	S	9	0 DAYS	3	18	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1830	9.9	9.0	0.7	14.2	13.4	1.0	18.8	16.6	0.9	
CONDITIONS:											
Acute Myocardial Infarction	76	23.7	23.5	5.0	26.3	26.5	5.3	30.3	29.1	5.5	
Congestive Heart Failure	100	15.0	13.0	4.0	21.0	21.0	4.9	26.0	26.8	4.5	
Pneumonia/Influenza	70	20.0	16.1	4.9	22.9	21.9	5.0	25.7	25.7	5.3	
Chronic Obstructive Pulmonary Disease	28	3.6	5.7		14.3	10.4		14.3	14.0		
Transient Cerebral Ischemia	15	0.0	1.6		0.0	3.6		6.7	5.9		
Stroke	60	26.7	21.4	7.0	30.0	26.9	6.2	36.7	30.1	7.5	
Hip Fracture	37	10.8	6.7		18.9	11.8		18.9	15.2		
Sepsis	32	34.4	28.3		37.5	36.2		43.8	41.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	15	0.0	4.8		0.0	8.1		6.7	10.4		
Carotid Endarterectomy	10	0.0	1.2		0.0	2.4		0.0	3.7		
Hip Replacement/Reconstruction	21	0.0	4.0		0.0	7.4		4.8	10.1		
Open Reduction of Hip Fracture	18	5.6	6.7	••••	16.7	12.3		16.7	16.3		
Prostatectomy	82	1.2	0.9	1.1	3.7	2.0	2.1	3.7	3.4	2.4	
Cholecystectomy	35	8.6	2.5		11.4	4.1		14.3	5.2		
Hysterectomy	35	0.0	0.5		5.7	1.2		5.7	1.9		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CAPE FEAR VALLEY MEDICAL CENTER

Medicare Provider Number: 340028

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	67.9 years	Cancer	8.4 %
Proportion female	58.5 %	Chronic cardiovascular disease	31.7 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	45.2 %	Chronic renal disease	9.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.1 %
Admitted for elective procedure		Cerebrovascular degeneration	5.7 %
Admitted for emergency		Diabetes mellitus	11.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City68.9	% Hospital
State 27.9	% State 9.4 Days
Outside State	% National 8.6 Days
Total 100.0	%

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 431	Burn Unit No
Occupancy Rate 80.0 %	Cardiac Intensive Care Yes
Ownership/Control Local Government	Comprehensive Gerlatric No
Medicare Discharges(Not Available)	Hospice Care Yes
Case Mix Index (CMI) 1.3414	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 206	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/DrugNo
Registered Nurses	RehabilitationYes
Licensed Practical Nurses	Psychiatric Yes
* Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

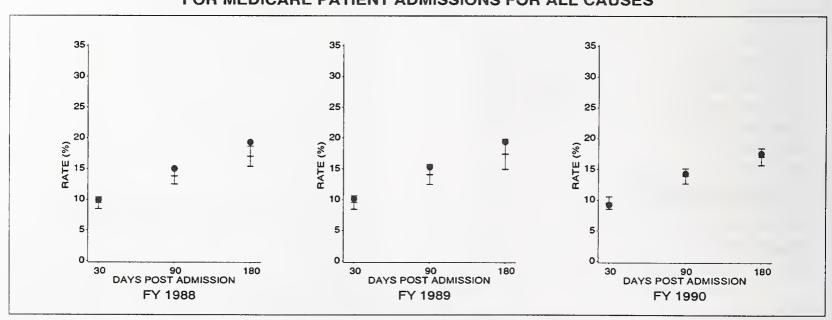
CAROLINAS MEDICAL CENTER

1000 BLYTHE BLVD CHARLOTTE, NC 28232 Medicare Provider Number: 340113

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	ORTALITY RATES (%)							
			30 DAY	S	9	0 DAYS	3	18	180 DAYS				
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*			
ALL CAUSES	4185	9.2	9.5	0.5	14.3	13.9	0.6	17.5	17.0	0.7			
CONDITIONS:													
Acute Myocardial Infarction	271	17.0	22.3	3.8	19.6	24.8	4.2	21.4	27.0	4.3			
Congestive Heart Failure	183	13.7	13.0	2.6	20.2	20.6	3.5	26.8	26.2	3.6			
Pneumonia/Influenza	108	18.5	15.2	6.3	25.0	20.5	5.7	26.9	23.9	5.2			
Chronic Obstructive Pulmonary Disease	33	3.0	6.2		6.1	11.1		15.2	14.7				
Transient Cerebral Ischemia	31	0.0	1.7		0.0	3.9		0.0	6.4				
Stroke	165	20.0	19.2	3.2	23.6	25.2	3.6	26.7	28.4	4.0			
Hip Fracture	65	6.2	5.8	3.3	13.8	10.2	4.9	15.4	13.3	4.8			
Sepsis	52	28.8	23.6	6.7	44.2	30.9	9.4	48.1	35.2	9.5			
PROCEDURES:													
Angioplasty	246	2.0	3.8	1.6	3.7	4.8	1.5	4.9	5.8	1.8			
Coronary Artery Bypass Graft	250	7.2	5.4	2.1	8.4	7.6	2.3	9.6	8.5	2.3			
Initial Pacemaker Insertion	66	4.5	2.7	2.9	7.6	5.3	3.5	7.6	7.8	3.6			
Carotid Endarterectomy	38	2.6	1.5		2.6	2.8		5.3	4.1				
Hip Replacement/Reconstruction	91	2.2	3.3	2.1	4.4	5.7	2.7	4.4	7.4	3.7			
Open Reduction of Hip Fracture	35	8.6	4.8	****	14.3	8.7		17.1	11.4				
Prostatectomy	81	3.7	1.4	2.6	4.9	3.0	2.5	9.9	5.0	4.7			
Cholecystectomy	48	2.1	5.4		6.3	9.6		10.4	12.3				
Hysterectomy	31	0.0	1.2		0.0	2.6		3.2	4.0				

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.



CAROLINAS MEDICAL CENTER Medicare Provider Number: 340113

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	68.8 years	Cancer	6.6 %
Proportion female		Chronic cardiovascular disease	41.5 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	22.2 %	Chronic renal disease	9.0 %
Transferred from skilled nursing facility		Chronic pulmonary disease	12.6 %
Admitted for elective procedure		Cerebrovascular degeneration	3.3 %
Admitted for emergency		Diabetes mellitus	8.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	1075
County/City	43.2%	Hospital	
State		State	9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds 843	Burn Unit No
Occupancy Rate 79.0 %	Cardiac Intensive Care Yes
Ownership/Control District/Authority	Comprehensive Geriatric No
Medicare Discharges 25.3 %	Hospice Care No
Case Mix Index (CMI) 1.9136	Medical/Surgical Intensive Care Yes
TAFFING:	Organ/Tissue Transplant Yes
Total Number of Physicians 835	Other Intensive Care Yes
Percent of Physicians Board Certified Specialists	Trauma Center Yes
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/DrugN
Registered Nurses 829	RehabilitationN
Licensed Practical Nurses 121	Psychiatric Ye

^{*} Not used in calculating mortality rates

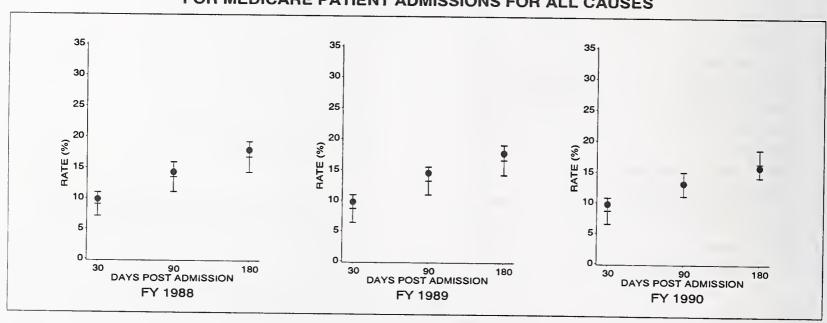
CARTERET GENERAL HOSPITAL

3500 ARENDELL ST MOREHEAD CITY, NC 28557 Medicare Provider Number: 340142

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALITY RATES (%)						
CATEGORY	NUMBER OF CASES	3	O DAY	S	9	0 DAYS	3	18	180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD°	OBS	PRED	SD*	
ALL CAUSES	1181	9.7	8.6	1.1	13.1	13.0	1.0	15.7	16.3	1.1	
CONDITIONS:									10.0		
Acute Myocardial Infarction	38	26.3	18.9		31.6	22.9		34.2	26.1		
Congestive Heart Failure	65	16.9	16.4	5.0	27.7	24.4	8.4	38.5	30.6	9.2	
Pneumonia/Influenza	56	25.0	14.7	7.6	32.1	19.9	8.8	33.9	23.2	8.4	
Chronic Obstructive Pulmonary Disease	27	11.1	5.8		14.8	10.8		14.8	14.7		
Transient Cerebral Ischemia	22	0.0	2.2		0.0	5.0		0.0	8.2		
Stroke	44	20.5	20.2		25.0	25.5		27.3	29.0		
Hip Fracture	27	0.0	4.2		3.7	7.5		3.7	9.8		
Sepsis	10	20.0	20.5		30.0	26.7		30.0	30.9		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	9	0.0	2.1		0.0	4.6		0.0	6.9		
Carotid Endarterectomy	3	0.0	1.5		0.0	2.7		0.0	4.0		
Hip Replacement/Reconstruction	23	0.0	2.4		8.7	4.5		8.7	6.2		
Open Reduction of Hip Fracture	9	0.0	3.1		0.0	6.1		0.0	8.6		
Prostatectomy	26	3.8	1.9		3.8	3.9		3.8	6.1		
Cholecystectomy	23	0.0	2.2		0.0	4.5		8.7	6.6		
Hysterectomy	14	0.0	0.4		0.0	0.9		0.0	1.5		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CARTERET GENERAL HOSPITAL

Medicare Provider Number: 340142

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:
Average age at admission 73.7 years	Cancer 6.6 %
Proportion female 55.3 %	Chronic cardiovascular disease 41.3 %
DMISSION SOURCES/TYPES:	Chronic liver disease 1.1 %
Referred by personal or HMO physician 40.5 %	Chronic renal disease 2.5 %
Transferred from skilled nursing facility 0.1 %	Chronic pulmonary disease 18.5 %
Admitted for elective procedure 0.1 %	Cerebrovascular degeneration 7.2 %
Admitted for emergency 51.4 %	Diabetes mellitus 8.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	81.5%	Hospital	8.8 Days
State	15.6%	State	9.4 Days
Outside State	2.9%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 117	Burn Unit No
Occupancy Rate 71.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 37.6 %	Hospice Care No
Case Mix Index (CMI) 1.1569	Medical/Surgical Intensive CareYes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians42	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses	Rehabilitation No
Licensed Practical Nurses25	Psychiatric No
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

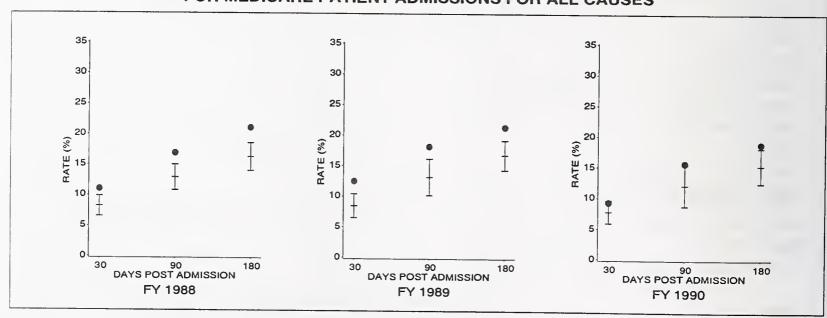
CATAWBA MEMORIAL HOSPITAL

FAIRGROVE CHURCH ROAD SE HICKORY, NC 28601 Medicare Provider Number: 340143

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)				
0			30 DAY	S	9	0 DAYS	3	18	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1381	9.2	7.7	0.9	15.6	12.0	1.7	18.7	15.2	1.4	
CONDITIONS:											
Acute Myocardial Infarction	49	30.6	23.8		32.7	26.3		36.7	28.8		
Congestive Heart Failure	72	16.7	12.7	4.8	22.2	20.7	5.3	26.4	26.5	5.4	
Pneumonia/Influenza	65	10.8	11.3	4.3	18.5	15.4	6.0	20.0	18.5	6.9	
Chronic Obstructive Pulmonary Disease	11	18.2	4.8		36.4	8.7		36.4	11.9		
Transient Cerebral Ischemia	16	0.0	1.7		6.3	3.8		12.5	6.0		
Stroke	59	16.9	16.3	4.8	20.3	21.5	5.6	22.0	24.9	6.8	
Hip Fracture	53	9.4	4.6	5.8	13.2	8.5	6.9	13.2	11.5	6.6	
Sepsis	18	33.3	21.0		38.9	27.0		38.9	30.7		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	5	0.0	5.7		0.0	9.2		0.0	11.4		
Carotid Endarterectomy	8	12.5	1.2		12.5	2.3		12.5	3.5		
Hip Replacement/Reconstruction	34	5.9	3.0		14.7	6.0		14.7	8.3		
Open Reduction of Hip Fracture	18	5.6	4.0		5.6	7.8		5.6	10.7		
Prostatectomy	47	0.0	0.7		4.3	1.5		6.4	2.6		
Cholecystectomy	40	0.0	1.3		2.5	2.4		2.5	3.4		
Hysterectomy	17	0.0	0.3		0.0	0.7		0.0	1.1		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CATAWBA MEMORIAL HOSPITAL

Medicare Provider Number: 340143

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

9.0 %
ular disease 37.9 %
e 1.2 %
se 2.2 %
disease 15.1 %
generation 4.3 %
8.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	79.4%	Hospital	
Outside State		National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	0
PROFILE:	SPECIALTY SERVICES:
Total Beds 235	Burn Unit No
Occupancy Rate 56.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 26.1 %	Hospice Care No
Case Mix Index (CMI) 1.3317	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 124	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Practical Nurses 17	Psychiatric Yes
	Medicare Swing Beds No
** Except for CMI	

^{*} Not used in calculating mortality rates

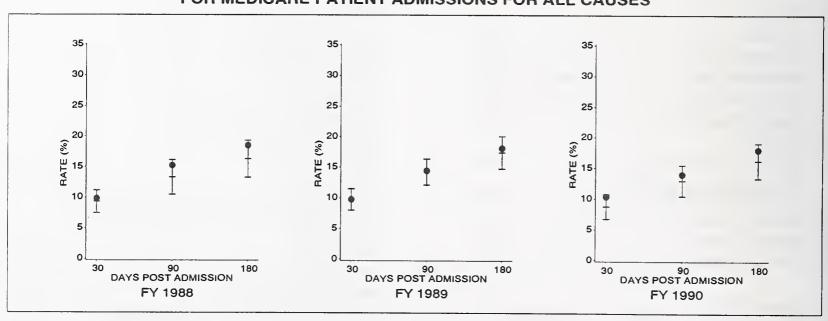
CENTRAL CAROLINA HOSPITAL

1135 CARTHAGE ST SANFORD, NC 27330 Medicare Provider Number: 340020

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				Mo	ORTALIT	YRATE	ES (%)				
			30 DAY	S	9	0 DAYS	3	18	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1219	10.3	8.7	1.0	13.9	12.9	1.3	17.9	16.1	1.4	
CONDITIONS:											
Acute Myocardial Infarction	49	46.9	27.5		46.9	30.7		49.0	34.2		
Congestive Heart Failure	57	14.0	12.1	7.5	19.3	19.4	7.6	28.1	25.1	8.4	
Pneumonia/Influenza	69	20.3	11.1	7.5	21.7	15.3	8.0	24.6	18.5	7.3	
Chronic Obstructive Pulmonary Disease	13	15.4	7.7		30.8	14.7		30.8	21.0	••	
Transient Cerebral Ischemia	16	0.0	1.3		0.0	2.9		0.0	4.8		
Stroke	50	20.0	19.8		28.0	26.0		38.0	29.8		
Hip Fracture	40	2.5	6.3		5.0	11.5		10.0	15.2		
Sepsis	10	20.0	21.5		30.0	27.0		40.0	30.7		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	12	8.3	4.7		16.7	8.9		33.3	12.3		
Carotid Endarterectomy	2	0.0	0.8		0.0	1.4		0.0	2.2		
Hip Replacement/Reconstruction	8	0.0	6.2		0.0	12.0		0.0	16.1		
Open Reduction of Hip Fracture	23	4.3	5.2		8.7	9.7		13.0	13.1		
Prostatectomy	86	2.3	0.8	1.8	2.3	1.9	1.5	3.5	3.3	2.0	
Cholecystectomy	39	2.6	2.0		2.6	3.6		2.6	4.7		
Hysterectomy	10	0.0	0.7	••••	0.0	1.6		0.0	2.5		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CENTRAL CAROLINA HOSPITAL Medicare Provider Number: 340020

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.5 years	Cancer	5.9 %
Proportion female	54.9 %	Chronic cardlovascular disease	29.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.3 %
Referred by personal or HMO physician	96.6 %	Chronic renal disease	3.3 %
Transferred from skilled nursing facility	0.2 %	Chronic pulmonary disease	16.4 %
Admitted for elective procedure	12.1 %	Cerebrovascular degeneration	4.8 %
Admitted for emergency	73.3 %	Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	68.4%	Hospital	7.1 Days
State	29.4%	State	9.4 Days
Outside State	2.2%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 51.0 %	Cardiac Intensive Care No
Ownership/Control Private, For Profit	Comprehensive Geriatric No
Medicare Discharges 34.6 %	Hospice Care No
Case Mix Index (CMI) 1.2005	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 54	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center Yes
Medical Residents/Interns	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses	Alcohol/Drug No
Licensed Practical Nurses	Rehabilitation No
Electised Fractical Natises	Psychiatric Yes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

CHAPS KOALA CTR OF RESEARCH TRIANGLE

5010 S ALSTON AVENUE DURHAM, NC 27713 Medicare Provider Number: 340167

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	19	0.0	0.5		0.0	1.3		0.0	2.2		
CONDITIONS:											
Acute Myocardial Infarction	0										
Congestive Heart Failure	0										
Pneumonia/Influenza	0										
Chronic Obstructive Pulmonary Disease	0										
Transient Cerebral Ischemia	0										
Stroke	0										
Hip Fracture	0										
Sepsis	0										
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	0										
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

CHAPS KOALA CTR OF RESEARCH TRIANGLE Medicare Provider Number: 340167

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	50.2 years	Cancer	0.0 %
Proportion female	15.8 %	Chronic cardlovascular disease	10.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	10.5 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	0.0 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	10.5 %
Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	0.0 %
Admitted for emergency	0.0 %	Diabetes mellitus	0.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVÉRAGE LENGTH OF STAY:	
County/City	28.1%	Hospital	17.6 Days
State	68.8%	State	9.4 Days
Outside State	3.1%	National	8.6 Days
Total	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit N
Ownership/Control Private, For Profit	Coronary Care Unit N
Case Mix Index (CMI) 0.6119	Hospice Care N
TAFFING:	Intensive Care Unit N
Medical Residents/Interns 0	Organ Transplant N
Registered Nurses 7	Trauma Center N
Licensed Practical Nurses 3	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugYe
	RehabilitationN
	Psychiatric Ye
	Medicare Swing Beds N

^{*} Not used in calculating mortality rates

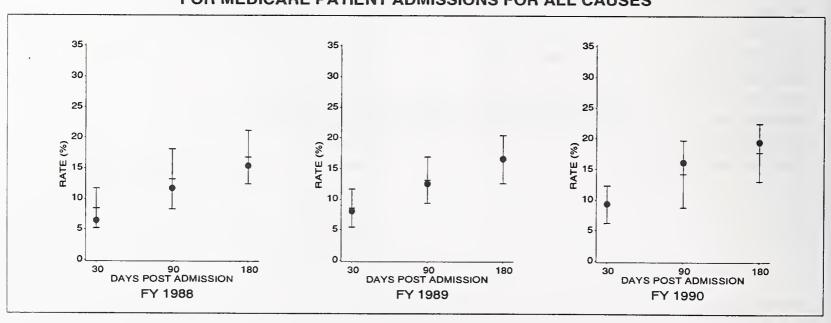
CHARLES A CANNON JR MEMORIAL HOSPITAL

HIGHWAY 184 BANNER ELK, NC 28604 Medicare Provider Number: 340005

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	:	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	355	9.3	9.2	1.5	16.1	14.2	2.7	19.4	17.7	2.4	
CONDITIONS:											
Acute Myocardial Infarction	13	23.1	18.7		38.5	21.2		46.2	23.8		
Congestive Heart Failure	18	11.1	12.0		11.1	20.1		22.2	25.6		
Pneumonia/Influenza	40	10.0	11.0		20.0	15.5		22.5	18.7		
Chronic Obstructive Pulmonary Disease	5	20.0	4.9		20.0	10.3		40.0	14.7		
Transient Cerebral Ischemia	1	0.0	2.9		0.0	7.0		0.0	12.6		
Stroke	11	9.1	13.2		18.2	16.9		18.2	19.9		
Hip Fracture	8	0.0	8.3		0.0	14.2		0.0	18.8		
Sepsis	4	0.0	8.4		25.0	13.2		25.0	16.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	1	0.0	14.4		0.0	33.7		0.0	50.2		
Carotid Endarterectomy	1	0.0	1.1		0.0	2.1		0.0	2.8		
Hip Replacement/Reconstruction	1	0.0	22.0		0.0	36.9	*****	0.0	49.2		
Open Reduction of Hip Fracture	5	0.0	6.0		0.0	11.2		0.0	15.2		
Prostatectomy	0										
Cholecystectomy	6	16.7	6.0		33.3	7.4		33.3	8.9		
Hysterectomy	1	0.0	0.0		0.0	0.1		0.0	0.2		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CHARLES A CANNON JR MEMORIAL HOSPITAL Medicare Provider Number: 340005

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.3 years	Cancer	6.2 %
Proportion female	58.3 %	Chronic cardlovascular disease	27.9 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
	98.3 %	Chronic renal disease	1.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.5 %
Admitted for elective procedure		Cerebrovascular degeneration	5.1 %
Admitted for emergency		Diabetes mellitus	7.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	50.5% 19.3% 30.2%	Hospital State National	6.5 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Case Mix Index (CMI)	Medical/Surgical Intensive Care
** Except for CMI	Medicare Swing Beds No

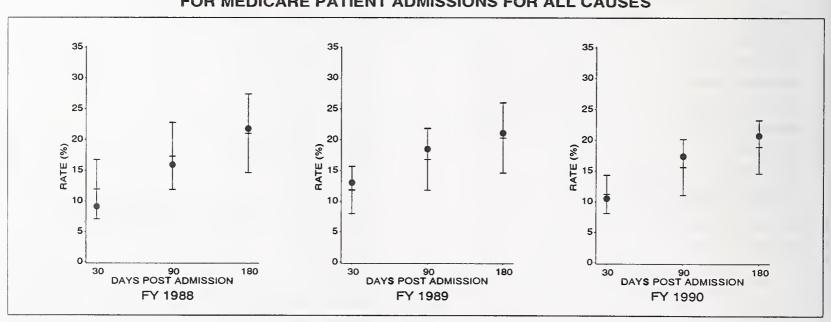
^{*} Not used in calculating mortality rates

CHATHAM HOSPITAL INC W THIRD & IVEY STREETS SILER CITY, NC 27344 Medicare Provider Number: 340111

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				S (%)							
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	449	10.5	11.2	1.6	17.4	15.6	2.3	20.7	18.9	2.2	
CONDITIONS:											
Acute Myocardial Infarction	25	12.0	34.4		12.0	37.7		12.0	40.8		
Congestive Heart Failure	24	16.7	15.3		29.2	23.3		33.3	29.6		
Pneumonia/Influenza	44	13.6	12.2		22.7	17.0		25.0	20.3		
Chronic Obstructive Pulmonary Disease	6	16.7	4.2		16.7	7.6		16.7	11.1		
Transient Cerebral Ischemia	5	0.0	5.1		0.0	11.6		20.0	17.4		
Stroke	15	20.0	17.8		20.0	22.8		20.0	26.4		
Hip Fracture	6	16.7	5.9		33.3	9.2		50.0	12.0		
Sepsis	16	6.3	19.3		25.0	26.0		31.3	30.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	6	16.7	5.5		33.3	8.9		50.0	11.6		
Open Reduction of Hip Fracture	0										
Prostatectomy	17	5.9	0.9	••••	5.9	1.8	••••	5.9	3.1		
Cholecystectomy	10	10.0	1.3		20.0	2.7		20.0	3.9		
Hysterectomy	1	0.0	0.2		0.0	0.4		0.0	0.8		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CHATHAM HOSPITAL INC Medicare Provider Number: 340111

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 75.0 years	Cancer
Proportion female 59.0 % ADMISSION SOURCES/TYPES:	Chronic liver disease 0.9 %
Referred by personal or HMO physician 81.3 % Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease
Admitted for elective procedure 0.0 %	Cerebrovascular degeneration 6.5 % Diabetes mellitus 6.2 %
Admitted for emergency 68.4 %	

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	78.5%	Hospital	6.4 Days
State	20.0%	State	9.4 Days
Outside State	1.5%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Ownership.Control Private, Non-Profit	Coronary Care Unit Yes
Case Mix Index (CMI) 1.1800	Hospice Care Yes
STAFFING:	Intensive Care Unit Yes
Medical Residents/Interns 0	Organ Transplant No
Registered Nurses	Trauma Center No
Licensed Practical Nurses	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugNe
	RehabilitationNo
	Psychiatric N
	Medicare Swing BedsYes

^{*} Not used in calculating mortality rates

CHERRY HOSPITAL-GENERAL MEDICAL

CALLER BOX 8000 GOLDSBORO, NC 27530 Medicare Provider Number: 340135

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
0.170000			30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	31	6.5	11.5		19.4	16.9		22.6	20.3		
CONDITIONS:											
Acute Myocardial Infarction	0										
Congestive Heart Failure	0										
Pneumonia/Influenza	6	0.0	8.2		0.0	11.9		0.0	14.1		
Chronic Obstructive Pulmonary Disease	0										
Transient Cerebral Ischemia	0										
Stroke	3	0.0	12.9		0.0	15.9		0.0	18.6		
Hip Fracture	0										
Sepsis	0										
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	0										
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

CHERRY HOSPITAL-GENERAL MEDICAL Medicare Provider Number: 340135

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	71.6 years	Cancer	0.0 %
Proportion female		Chronic cardiovascular disease	16.1 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	6.5 %
Transferred from skilled nursing facility		Chronic pulmonary disease	9.7 %
		Cerebrovascular degeneration	9.7 %
Admitted for elective procedure		Diabetes mellitus	6.5 %
Admitted for emergency	0.0 /0		

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	60.9% 39.1%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	9.4 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 782	Burn Unit No
Occupancy Rate 88.0 %	Cardiac Intensive Care No
Ownership/Control State Government	Comprehensive Geriatric No
Medicare Discharges	Hospice Care No
Case Mix Index (CMI) 1.1408	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 21	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/Drug No
Registered Nurses 115	Rehabilitation No
Licensed Practical Nurses 53	Psychiatric Yes
	Medicare Swing Beds No
** Except for CMI	

^{*} Not used in calculating mortality rates

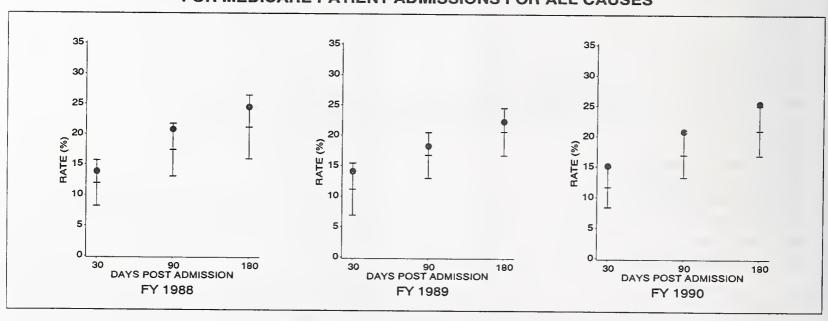
CHOWAN HOSPITAL

VIRGINIA RD, BOX 629 EDENTON, NC 27932 Medicare Provider Number: 340065

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
0.550			30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	583	15.1	11.6	1.6	20.8	16.9	1.9	25.4	20.9	2.1	
CONDITIONS:											
Acute Myocardial Infarction	26	34.6	24.4		46.2	27.2		50.0	29.8		
Congestive Heart Failure	53	22.6	13.9	6.5	32.1	22.0	6.9	41.5	28.3	8.2	
Pneumonia/Influenza	70	11.4	17.2	6.7	21.4	23.3	5.2	27.1	27.4	5.4	
Chronic Obstructive Pulmonary Disease	7	0.0	10.0		0.0	19.0		0.0	25.4		
Transient Cerebral Ischemia	7	0.0	1.5		0.0	3.4		0.0	5.6		
Stroke	48	29.2	19.9		31.3	25.7		33.3	29.5		
Hip Fracture	11	18.2	5.0		18.2	9.3		18.2	12.9		
Sepsis	6	16.7	18.4		16.7	23.8		16.7	27.1		
PROCEDURES:											
Angioplasty	1	0.0	1.3		0.0	2.2		0.0	3.5		
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	3	0.0	0.6		0.0	1.7		0.0	3.0		
Cholecystectomy	19	5.3	2.3		5.3	4.6	*****	15.8	6.7		
Hysterectomy	2	0.0	0.1		0.0	0.2		0.0	0.3		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CHOWAN HOSPITAL Medicare Provider Number: 340065

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission Proportion female ADMISSION SOURCES/TYPES: Referred by personal or HMO physician Transferred from skilled nursing facility	55.4 %	Chronic liver disease	0.9 % 3.6 % 17.0 %
Admitted for elective procedure	4.1 %	Cerebrovascular degeneration Diabetes mellitus	4.8 % 5.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City	MEDICARE AVERAGE LENGTH OF STAY: Hospital	7.5 Days 9.4 Days 8.6 Days	
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SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	

^{*} Not used in calculating mortality rates

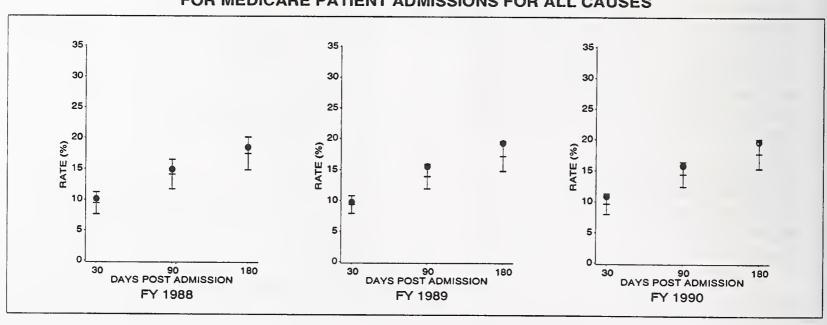
CLEVELAND MEMORIAL HOSPITAL INC

201 GROVER ST SHELBY, NC 28150 Medicare Provider Number: 340021

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)				
		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2062	10.8	9.6	0.8	15.8	14.4	1.0	19.6	17.7	1.2	
CONDITIONS:											
Acute Myocardial Infarction	90	30.0	28.7	6.2	37.8	32.0	6.8	42.2	34.9	7.1	
Congestive Heart Failure	116	23.3	15.1	6.2	29.3	24.1	7.8	38.8	30.4	7.4	
Pneumonia/Influenza	84	16.7	14.5	4.3	26.2	19.9	5.2	31.0	23.3	6.0	
Chronic Obstructive Pulmonary Disease	24	4.2	6.3		16.7	11.0		20.8	14.7		
Transient Cerebral Ischemia	24	0.0	1.7		4.2	3.9		4.2	6.5		
Stroke	89	19.1	20.2	4.4	29.2	27.2	5.1	30.3	30.9	5.0	
Hip Fracture	59	3.4	8.4	4.6	8.5	14.0	5.1	8.5	17.4	6.2	
Sepsis	62	24.2	25.6	6.3	27.4	32.3	7.5	29.0	36.8	7.8	
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	10	0.0	1.4		0.0	3.1		0.0	5.1		
Carotid Endarterectomy	7	0.0	3.2		14.3	5.7		14.3	7.9		
Hip Replacement/Reconstruction	36	2.8	6.2		5.6	10.4		5.6	13.1		
Open Reduction of Hlp Fracture	16	0.0	6.9		6.3	12.0		6.3	15.4		
Prostatectomy	117	0.0	1.2	1.5	2.6	2.8	1.6	4.3	4.6	2.1	
Cholecystectomy	58	5.2	2.9	3.9	5.2	4.9	3.4	5.2	6.2	3.5	
Hysterectomy	22	0.0	1.2		0.0	2.6		0.0	3.9	••••	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.



CLEVELAND MEMORIAL HOSPITAL INC

Medicare Provider Number: 340021

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.0 years	Cancer	7.3 %
Proportion female	57.3 %	Chronic cardiovascular disease	40.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	41.2 %	Chronic renal disease	4.3 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.3 %
Admitted for elective procedure		Cerebrovascular degeneration	5.1 %
		Diabetes mellitus	7.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	75.9%	Hospital	10.0 Days
State	21.6%	State	9.4 Days
Outside State	2.5%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 248	Burn Unit No
Occupancy Rate 66.0 %	Cardiac Intensive Care Yes
Ownership/Control Local Government	Comprehensive Geriatric Yes
Medicare Discharges 36.8 %	Hospice Care No
Case Mix Index (CMI) 1.2262	Medical/Surgical Intensive CareYes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 87	Other Intensive Care No
Percent of Physicians Board Certified Specialists	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses	Alcohol/Drug
Licensed Practical Nurses	Psychiatric
** Except for CMI	Medicare Swing Beds Yes

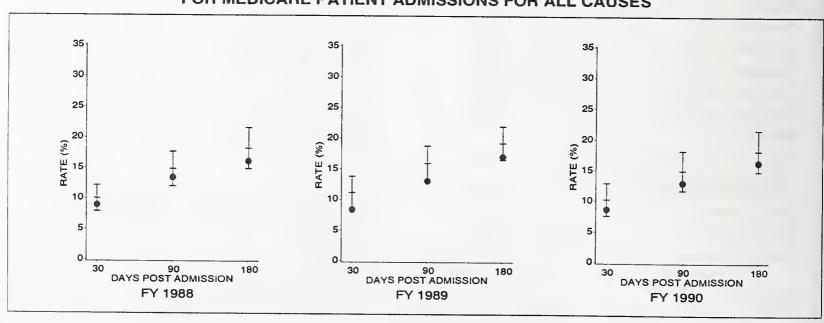
^{*} Not used in calculating mortality rates

COLUMBUS COUNTY HOSPITAL INC 500 JEFFERSON ST WHITEVILLE, NC 28472 Medicare Provider Number: 340068

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	MORTALITY RATES (%)										
0.17005		30 DAYS			9	0 DAYS	S	18	180 DAYS						
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*					
ALL CAUSES	1368	8.6	10.2	1.3	12.9	14.9	1.6	16.2	18.1	1.7					
CONDITIONS:															
Acute Myocardial Infarction	56	30.4	30.9	6.2	37.5	33.6	7.9	39.3	36.3	7.7					
Congestive Heart Failure	75	4.0	14.1	5.4	9.3	22.3	6.5	16.0	28.3	6.6					
Pneumonia/Influenza	43	27.9	17.7		34.9	23.9		37.2	27.6						
Chronic Obstructive Pulmonary Disease	29	0.0	6.7	*	0.0	11.7		0.0	15.7						
Transient Cerebral Ischemia	17	0.0	1.8		0.0	4.0		0.0	6.5						
Stroke	103	14.6	19.8	6.5	19.4	28.2	8.0	27.2	32.4	8.4					
Hip Fracture	40	7.5	7.0		7.5	11.9	••••	15.0	15.1						
Sepsis	31	19.4	20.4		22.6	26.1		29.0	30.0						
PROCEDURES:															
Angioplasty	0														
Coronary Artery Bypass Graft	0														
Initial Pacemaker Insertion	15	0.0	4.7		0.0	9.6		6.7	13.6						
Carotid Endarterectomy	0														
Hip Replacement/Reconstruction	46	4.3	4.4		4.3	7.8	••••	8.7	10.3						
Open Reduction of Hip Fracture	12	0.0	6.8		0.0	11.7		8.3	14.7						
Prostatectomy	52	0.0	2.2	2.8	3.8	4.9	3.2	5.8	7.8	4.2					
Cholecystectomy	34	0.0	2.1		5.9	3.7		5.9	4.8						
Hysterectomy	4	0.0	0.6		0.0	1.1		0.0	1.7						

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



COLUMBUS COUNTY HOSPITAL INC Medicare Provider Number: 340068

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.4 years	Cancer	5.1 %
Proportion female	56.2 %	Chronic cardiovascular disease	45.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	42.3 %	Chronic renal disease	5.3 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.6 %
Admitted for elective procedure		Cerebrovascular degeneration	2.9 %
Admitted for emergency		Diabetes mellitus	16.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	۷:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	84.0%	Hospital	9.7 Days
State	13.8%	State	9.4 Days
Outside State	2.2%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 75.0 %	Cardlac Intensive Care Yes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges(Not Available)	Hospice Care No
Case Mix Index (CMI) 1.2732	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses 126	RehabilitationNo
Licensed Practical Nurses	Psychiatric No
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

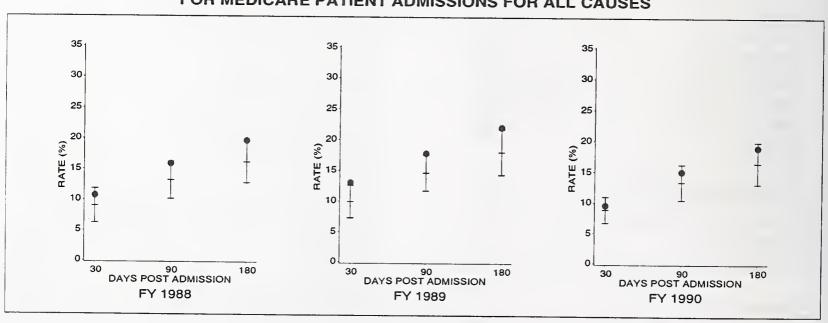
COMMUNITY GENERAL HOSPITAL

207 OLD LEXINGTON RD, BOX 789 THOMASVILLE, NC 27360 Medicare Provider Number: 340085

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATECORY	NUMBER OF CASES		30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1083	9.5	8.8	1.1	15.0	13.3	1.5	18.9	16.4	1.7	
CONDITIONS:								, , , ,			
Acute Myocardial Infarction	33	36.4	28.4		42.4	31.2		45.5	33.6		
Congestive Heart Failure	46	10.9	12.6		17.4	19.6		30.4	25.4		
Pneumonia/Influenza	48	29.2	14.7		37.5	20.8		41.7	24.7		
Chronic Obstructive Pulmonary Disease	9	11.1	5.8		22.2	10.8		33.3	14.8		
Transient Cerebral Ischemia	13	0.0	1.5		0.0	3.6		0.0	6.0		
Stroke	46	26.1	20.1		26.1	26.2		28.3	29.9		
Hip Fracture	34	8.8	6.0		14.7	10.9		20.6	14.4		
Sepsis	14	7.1	16.3		21.4	24.5		28.6	29.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	7	14.3	3.8		14.3	6.7		14.3	9.4		
Carotid Endarterectomy	3	0.0	1.6		0.0	2.9		0.0	4.1		
Hip Replacement/Reconstruction	14	7.1	5.0		7.1	9.4		7.1	12.7		
Open Reduction of Hip Fracture	17	5.9	5.4		11.8	10.1		23.5	13.5		
Prostatectomy	38	2.6	2.1	****	7.9	4.3		13.2	6.6		
Cholecystectomy	24	4.2	2.4		8.3	4.7		8.3	6.3		
Hysterectomy	22	0.0	1.0		0.0	2.0		0.0	3.1		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



COMMUNITY GENERAL HOSPITAL Medicare Provider Number: 340085

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:
Average age at admission 73.0 year	ars Cancer 6.5 %
Proportion female 59.6 %	Chronic cardiovascular disease 34.1 %
DMISSION SOURCES/TYPES:	Chronic liver disease 0.5 %
Referred by personal or HMO physician 68.1 %	Chronic renal disease 2.4 %
Transferred from skilled nursing facility 0.8 %	Chronic pulmonary disease 14.3 %
Admitted for elective procedure	Cerebrovascular degeneration 6.6 %
Admitted for emergency	Diabetes mellitus 7.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	85.4% 13.7% 0.9%	Hospital State National	9.4 Days

PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit
Total Number of Physicians	Organ/Tissue Transplant

^{*} Not used in calculating mortality rates

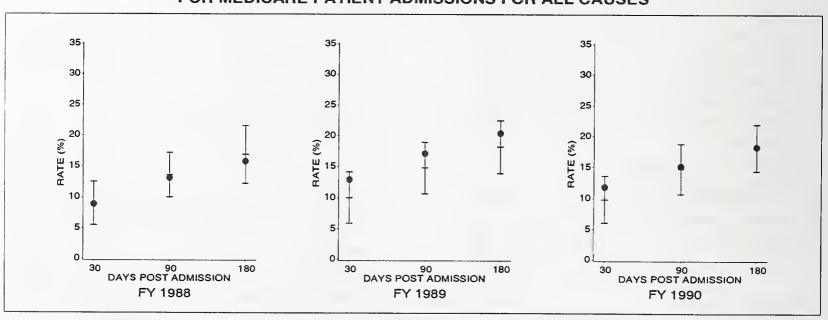
COMMUNITY HOSPITAL OF ROCKY MOUNT

1031 NOELL LANE ROCKY MOUNT, NC 27801 Medicare Provider Number: 340162

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	YRATE	ES (%)				
CATEGORY		30 DAYS			90 DAYS			18	180 DAYS		
	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	424	11.8	9.8	1.9	15.1	14.7	2.0	18.2	18.1	1.9	
CONDITIONS:											
Acute Myocardial Infarction	19	31.6	26.1		31.6	28.9		31.6	31.3		
Congestive Heart Failure	28	3.6	12.6		3.6	20.5		17.9	26.6		
Pneumonia/Influenza	19	15.8	13.6		26.3	19.7		36.8	23.4		
Chronic Obstructive Pulmonary Disease	7	28.6	7.5	****	28.6	12.2		28.6	15.9		
Transient Cerebral Ischemia	4	0.0	2.1		0.0	4.7		0.0	7.9		
Stroke	17	17.6	15.6		23.5	21.3		23.5	24.5		
Hip Fracture	15	13.3	7.0		13.3	12.1		26.7	15.3		
Sepsis	10	40.0	28.8		40.0	39.5		50.0	44.4		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	2	0.0	2.1		0.0	4.7		0.0	7.3		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	7	0.0	5.2		0.0	8.9		0.0	11.4		
Open Reduction of Hip Fracture	9	22.2	5.9		22.2	10.5		44.4	13.4		
Prostatectomy	3	0.0	0.4		0.0	0.7	**	0.0	1.0		
Cholecystectomy	6	16.7	1.5		16.7	2.7	****	16.7	3.6		
Hysterectomy	3	0.0	2.9		0.0	6.2	****	0.0	9.4		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



COMMUNITY HOSPITAL OF ROCKY MOUNT Medicare Provider Number: 340162

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.7 years	Cancer	6.8 %
Proportion female		Chronic cardiovascular disease	44.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.7 %
Referred by personal or HMO physician	60.4 %	Chronic renal disease	2.6 %
Transferred from skilled nursing facility		Chronic pulmonary disease	22.9 %
Admitted for elective procedure		Cerebrovascular degeneration	2.1 %
Admitted for emergency		Diabetes mellitus	8.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	43.8% 54.1%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	8.5 Days 9.4 Days 8.6 Days
Total	100.0%		

The state of the s	CAB**	Suntay Vaar 1991
SOURCE: Health Care Financing Administration (OS	scan) -	Sulvey Teal 1991
PROFILE:		SPECIALTY SERVICES:
Total Beds 50	0	Burn Unit No
Ownership/Control Private, For Profi	it	Coronary Care UnitYes
Case Mix Index (CMI) 1.3270		Hospice CareYes
STAFFING:		Intensive Care UnitYes
Medical Residents/Interns	0	Organ Transplant No
Registered Nurses 3-	4	Trauma Center No
-	3	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
		Alcohol/Drug No
		Rehabilitation No
		Psychiatric No
		Medicare Swing Beds No
** Except for CMI		

^{*} Not used in calculating mortality rates

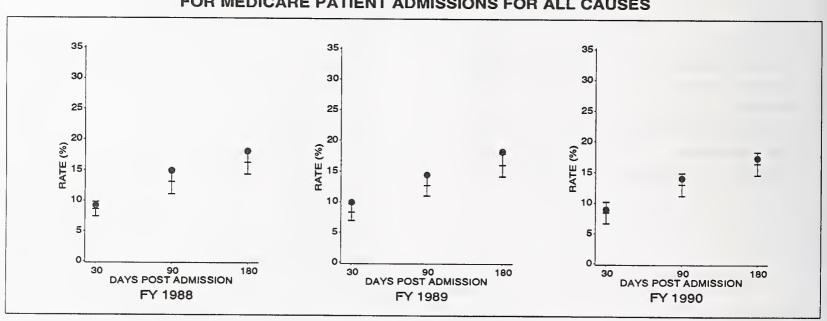
CRAVEN REGIONAL MEDICAL CENTER

2000 NEUSE BLVD NEW BERN, NC 28560 Medicare Provider Number: 340131

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2674	8.9	8.4	0.9	14.0	13.0	0.9	17.3	16.4	0.9	
CONDITIONS:											
Acute Myocardial Infarction	97	23.7	24.2	4.6	25.8	27.4	5.0	27.8	30.3	5.2	
Congestive Heart Failure	147	10.2	13.4	4.7	20.4	21.3	4.2	25.9	27.0	4.0	
Pneumonia/Influenza	116	23.3	13.0	4.9	26.7	18.3	4.7	29.3	21.9	4.7	
Chronic Obstructive Pulmonary Disease	27	0.0	6.4		3.7	12.0		3.7	16.6		
Transient Cerebral Ischemia	31	3.2	1.7		9.7	3.8		9.7	6.4		
Stroke	92	18.5	16.6	4.9	25.0	22.0	5.2	27.2	25.6	7.0	
Hip Fracture	57	3.5	5.0	3.5	7.0	9.1	4.4	8.8	12.1	5.3	
Sepsis	54	13.0	21.8	8.1	20.4	28.5	10.0	29.6	32.7	11.5	
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	41	0.0	3.3		2.4	6.7		7.3	10.0		
Carotid Endarterectomy	57	0.0	1.6	2.6	0.0	3.0	4.8	1.8	4.4	6.0	
Hip Replacement/Reconstruction	62	0.0	2.0	2.4	4.8	3.9	2.7	4.8	5.3	3.7	
Open Reduction of Hip Fracture	27	3.7	5.4		3.7	10.0		7.4	13.5		
Prostatectomy	57	0.0	1.2	1.9	5.3	2.9	3.2	7.0	4.9	3.7	
Cholecystectomy	50	4.0	2.0	•••••	8.0	3.8		10.0	5.4		
Hysterectomy	21	0.0	0.5		0.0	1.2	••••	0.0	2.1		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



CRAVEN REGIONAL MEDICAL CENTER Medicare Provider Number: 340131

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.3 years	Cancer	8.6 %
Proportion female		Chronic cardiovascular disease	36.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	82.6 %	Chronic renal disease	1.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	18.2 %
Admitted for elective procedure		Cerebrovascular degeneration	4.0 %
Admitted for energency		Diabetes mellitus	7.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	61.2%	Hospital	9.2 Days 9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	o
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

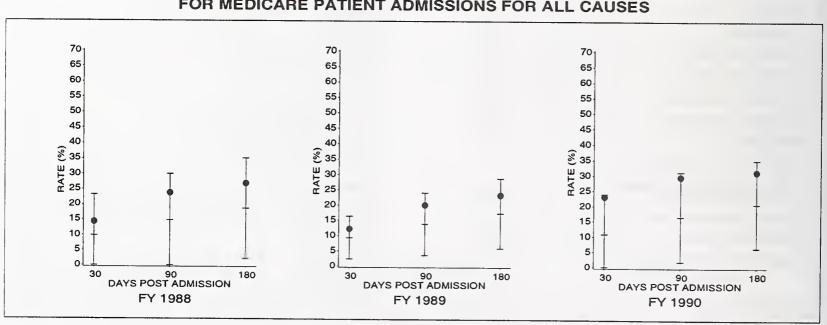
CRAWLEY MEMORIAL HOSPITAL

305 W COLLEGE AVE, BOX 996 BOILING SPRINGS, NC 28017 Medicare Provider Number: 340104

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				1						
	NUMBER OF CASES		30 DAY	S	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	61	23.0	10.8	6.5	29.5	16.4	7.3	31.1	20.5	7.2
CONDITIONS:										
Acute Myocardial Infarction	4	50.0	29.3	****	50.0	32.4		50.0	36.3	
Congestive Heart Failure	4	75.0	21.8		75.0	37.1		75.0	45.2	
Pneumonia/Influenza	8	0.0	12.7		12.5	18.4		12.5	22.0	
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemla	1	0.0	0.9		0.0	2.4		0.0	4.4	
Stroke	6	33.3	27.4		50.0	34.5		50.0	38.4	
Hip Fracture	1	100.0	4.4		100.0	8.1		100.0	11.6	
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of HIp Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.



CRAWLEY MEMORIAL HOSPITAL

Medicare Provider Number: 340104

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	79.1 years	Cancer	6.6 %
Proportion female	57.4 %	Chronic cardiovascular disease	31.1 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
	98.4 %	Chronic renal disease	4.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	13.1 %
Admitted for elective procedure		Cerebrovascular degeneration	4.9 %
Admitted for emergency	1.6 %	Diabetes mellitus	8.2 %
Admitted for emergency			

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City	MEDICARE AVERAGE LENGTH OF STAY: Hospital	5.5 Days 9.4 Days 8.6 Days
--	--	----------------------------------

No
No
No
Yes
No
No
ES:
No
No
No
Yes

^{*} Not used in calculating mortality rates

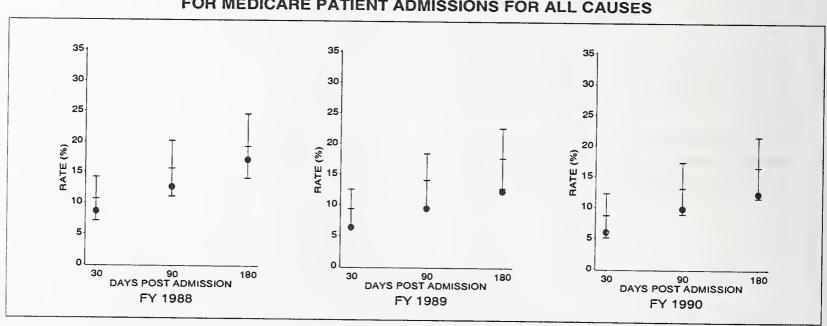
DAVIE COUNTY HOSPITAL

FOSTER & HOSPITAL STREETS MOCKSVILLE, NC 27028 Medicare Provider Number: 340052

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
0.177.000.	NUMBER OF CASES		30 DAY	S	9	90 DAYS			180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	527	5.9	8.6	1.8	9.7	13.0	2.1	12.1	16.4	2.5		
CONDITIONS:										2.0		
Acute Myocardial Infarction	9	22.2	31.7		22.2	35.7		22.2	38.7			
Congestive Heart Failure	33	12.1	14.7		18.2	23.0		18.2	29.1			
Pneumonia/Influenza	45	11.1	16.9		13.3	23.3		13.3	27.3			
Chronic Obstructive Pulmonary Disease	18	0.0	5.9		0.0	11.6		5.6	16.4			
Transient Cerebral Ischemla	11	0.0	1.0		0.0	2.3		0.0	3.8			
Stroke	20	25.0	22.6		30.0	29.2		35.0	33.3			
Hip Fracture	1	0.0	5.3	*	0.0	11.2		0.0	16.0			
Sepsis	5	20.0	25.0		20.0	30.2		20.0	34.0			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	0											
Carotid Endarterectomy	0											
Hip Replacement/Reconstruction	0											
Open Reduction of Hip Fracture	0											
Prostatectomy	3	0.0	0.9		0.0	1.9		0.0	3.2			
Cholecystectomy	17	0.0	1.1		0.0	1.8		0.0	2.4			
Hysterectomy	2	0.0	5.9		0.0	14.5		0.0	22.7			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DAVIE COUNTY HOSPITAL

Medicare Provider Number: 340052

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.4 years	Cancer	4.0 %
Proportion female	63.2 %	Chronic cardiovascular disease	42.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	45.4 %	Chronic renal disease	2.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.5 %
Admitted for elective procedure		Cerebrovascular degeneration	5.1 %
Admitted for emergency		Diabetes mellitus	7.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	80.0%	Hospital	6.7 Days
State	19.1%	State	9.4 Days
Outside State	0.9%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 54.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 55.1 %	Hospice Care No
Case Mix Index (CMI) 0.9695	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 7	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses	RehabilitationNo
Licensed Practical Nurses	Psychlatric No
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

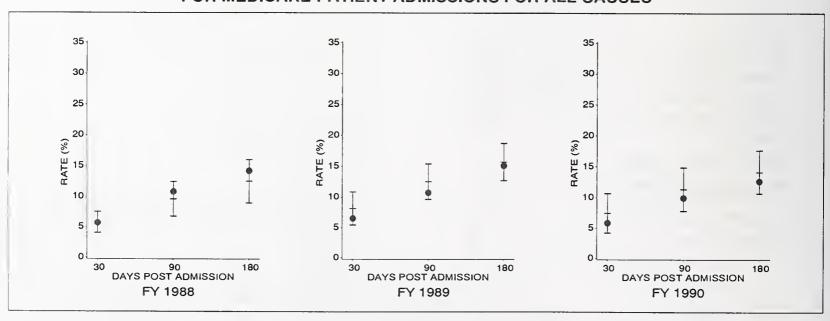
DAVIS COMMUNITY HOSPITAL

OLD MOCKSVILLE ROAD, BOX 1800 STATESVILLE, NC 28677 Medicare Provider Number: 340144

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALITY RATES (%)						
			30 DAY	S	9	0 DAYS	3	18	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	780	5.8	7.4	1.6	9.9	11.3	1.8	12.6	14.1	1.8	
CONDITIONS:											
Acute Myocardial Infarction	28	14.3	16.8		14.3	19.7		14.3	22.5		
Congestive Heart Failure	30	13.3	11.6		20.0	19.0	*	26.7	24.5		
Pneumonia/Influenza	41	12.2	16.4		14.6	22.4		19.5	26.4		
Chronic Obstructive Pulmonary Disease	1	0.0	12.7		0.0	23.3		0.0	33.2		
Transient Cerebral Ischemia	4	0.0	1.1		0.0	2.2		0.0	3.6		
Stroke	18	22.2	16.6		27.8	22.8		27.8	26.7		
Hip Fracture	19	5.3	5.5		5.3	9.8		5.3	13.0		
Sepsis	8	25.0	23.5		25.0	30.9		25.0	35.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	4	0.0	5.7		0.0	10.7		0.0	15.0		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	37	2.7	2.3		2.7	4.1		2.7	5.6		
Open Reduction of Hip Fracture	6	16.7	4.9		16.7	9.1		16.7	12.1		
Prostatectomy	37	2.7	1.0		2.7	2.4		2.7	4.1	***	
Cholecystectomy	22	4.5	1.5		4.5	2.6		4.5	3.4		
Hysterectomy	7	0.0	0.2		0.0	0.4		0.0	0.7		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DAVIS COMMUNITY HOSPITAL

Medicare Provider Number: 340144

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

COMORBIDITIES:
Cancer 3.8 %
Chronic cardiovascular disease 42.6 %
Chronic liver disease 1.0 %
Chronic renal disease 1.3 %
Chronic pulmonary disease 15.0 %
Cerebrovascular degeneration 1.8 %
Diabetes mellitus 9.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	58.1% 40.9% 1.0%	Hospital State National	9.5 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Psychiatric Yes Medicare Swing Beds No

^{*} Not used in calculating mortality rates

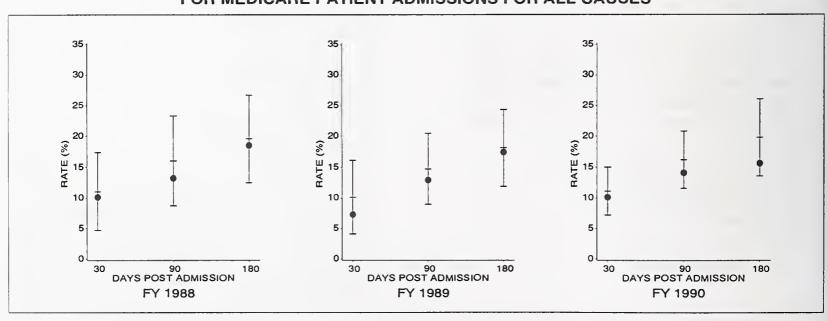
DISTRICT MEMORIAL HOSPITAL

ONE WHITAKER LANE ANDREWS, NC 28901 Medicare Provider Number: 340054

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

	MORTALITY RATES (%)										
		30 DAY		S	9	0 DAYS	3	18	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	326	10.1	11.1	2.0	14.1	16.2	2.3	15.6	19.8	3.1	
CONDITIONS:											
Acute Myocardial Infarction	8	87.5	37.8		87.5	40.6		87.5	43.3		
Congestive Heart Failure	11	9.1	14.1		18.2	22.4		18.2	28.6		
Pneumonia/Influenza	25	16.0	17.5		16.0	24.3		24.0	28.6		
Chronic Obstructive Pulmonary Disease	2	0.0	3.4		0.0	6.7		0.0	10.5		
Transient Cerebral Ischemia	9	0.0	2.8		0.0	6.3		0.0	9.9		
Stroke	12	50.0	20.3		50.0	28.1		66.7	32.6		
Hip Fracture	1	100.0	20.7		100.0	34.1		100.0	39.8		
Sepsis	15	0.0	23.8		20.0	31.0		20.0	35.9		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	1	100.0	18.6		100.0	31.8		100.0	37.8		
Prostatectomy	22	4.5	1.6		4.5	3.9		4.5	6.4		
Cholecystectomy	5	0.0	1.3		0.0	2.0		0.0	2.6		
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DISTRICT MEMORIAL HOSPITAL Medicare Provider Number: 340054

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.0 years	Cancer	4.0 %
Proportion female	50.9 %	Chronic cardiovascular disease	45.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physician	34.0 %	Chronic renal disease	4.3 %
Transferred from skilled nursing facility	2.1 %	Chronic pulmonary disease	17.2 %
Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	5.8 %
Admitted for emergency	0.6 %	Diabetes mellitus	13.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	82.6%	Hospital	6.2 Days
State	13.2%	State	9.4 Days
Outside State	4.2%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds 52	Burn Unit No
Occupancy Rate 80.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges	Hospice Care No
Case Mix Index (CMI) 1.1034	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists 55.6 %	Trauma Center Yes
Medical Residents/Interns	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses	Alcohol/Drug
Licensed Practical Nurses	Rehabilitation No
Licensed Fractical Nuises	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

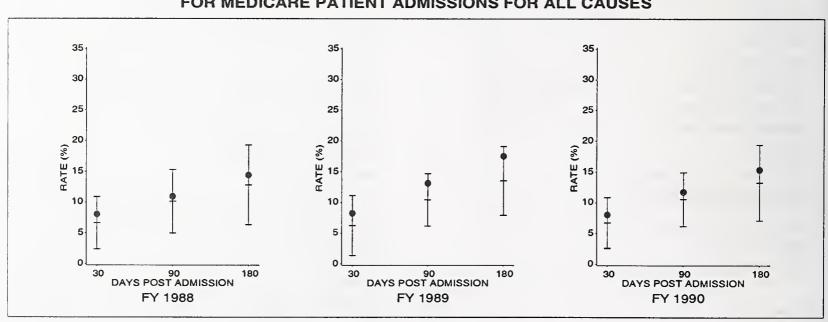
DOROTHEA DIX HOSPITAL

S BOYLAN AVE RALEIGH, NC 27603 Medicare Provider Number: 340138

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	YRATE	S (%)			
			30 DAYS			0 DAYS	3	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	300	8.0	6.7	2.1	11.7	10.5	2.2	15.3	13.2	3.1
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	16.3		50.0	20.2		50.0	23.2	
Congestive Heart Failure	2	0.0	8.9		50.0	13.6		50.0	19.0	
Pneumonia/Influenza	20	5.0	9.5		15.0	13.4		20.0	16.5	
Chronic Obstructive Pulmonary Disease	2	0.0	9.0		50.0	14.5		50.0	18.5	****
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	5	0.0	4.4		20.0	7.6		20.0	10.2	
Sepsis	3	33.3	17.8		66.7	28.3		66.7	33.7	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	0.7		0.0	1.5		0.0	2.7	
Cholecystectomy	7	0.0	2.7		0.0	4.9		0.0	6.3	
Hysterectomy	3	0.0	0.2		0.0	0.4	*****	0.0	8.0	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DOROTHEA DIX HOSPITAL Medicare Provider Number: 340138

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:	
Average age at admission 61	.1 years Cancer	4.0 %
Proportion female	0.0 % Chronic cardiovascular disease	21.7 %
ADMISSION SOURCES/TYPES:	Chronic liver disease	1.0 %
Referred by personal or HMO physician 12	2.7 % Chronic renal disease	2.0 %
	0.0 % Chronic pulmonary disease	9.3 %
Admitted for elective procedure	0.7 % Cerebrovascular degeneration	30.3 %
	0.7 % Diabetes mellitus	4.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	26.0%	Hospital	14.9 Days
State	72.9%	State	9.4 Days
Outside State	1.1%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds 617 Occupancy Rate 85.0 % Ownership/Control State Government Medicare Discharges 25.2 % Case Mix Index (CMI) 1.2332 STAFFING: 38 Percent of Physicians Board Certified Specialists 42.1 % Medical Residents/Interns 0 Registered Nurses 155 Licensed Practical Nurses 82	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Psychiatric

^{*} Not used in calculating mortality rates

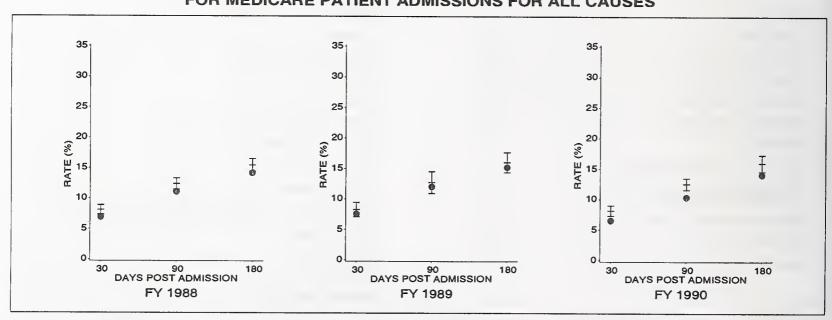
DUKE UNIVERSITY MEDICAL CENTER

ERWIN RD, BOX 3708 DURHAM, NC 27710 Medicare Provider Number: 340030

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	ES (%)			
	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	5447	6.5	8.1	0.4	10.3	12.5	0.5	14.0	15.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	223	24.2	27.2	6.0	27.4	29.6	6.0	30.5	32.0	6.1
Congestive Heart Failure	103	13.6	13.0	3.9	21.4	20.8	4.1	26.2	26.7	4.4
Pneumonia/Influenza	53	17.0	15.1	6.5	22.6	20.7	6.9	26.4	24.4	9.8
Chronic Obstructive Pulmonary Disease	40	7.5	9.1		10.0	15.7		20.0	20.6	
Transient Cerebral Ischemia	20	0.0	1.4		0.0	3.0		0.0	4.6	
Stroke	113	15.0	19.9	6.2	22.1	25.8	8.2	23.9	29.2	7.7
Hip Fracture	40	5.0	7.0		7.5	11.8		12.5	15.4	
Sepsis	30	26.7	25.2		26.7	34.1		36.7	39.1	
PROCEDURES:										
Angioplasty	204	7.8	4.7	3.1	8.3	5.7	3.2	9.8	6.7	3.4
Coronary Artery Bypass Graft	314	5.1	6.2	1.6	7.6	8.5	1.7	10.8	9.5	1.7
Initial Pacemaker Insertion	26	0.0	2.7		3.8	5.2		3.8	7.6	
Carotid Endarterectomy	19	0.0	1.4		0.0	2.6		0.0	4.0	
Hip Replacement/Reconstruction	116	0.0	2.1	2.6	0.0	3.7	4.4	1.7	5.0	4.3
Open Reduction of Hip Fracture	8	12.5	7.7		12.5	13.3		25.0	17.2	
Prostatectomy	123	0.0	8.0	1.1	0.0	1.8	2.0	0.0	3.2	3.1
Cholecystectomy	48	2.1	3.5		2.1	6.9		4.2	9.6	
Hysterectomy	75	2.7	1.3	2.2	6.7	2.8	5.3	8.0	4.4	6.3

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DUKE UNIVERSITY MEDICAL CENTER

Medicare Provider Number: 340030

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	68.2 years	Cancer	11.9 %
Proportion female	49.4 %	Chronic cardiovascular disease	43.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	13.2 %	Chronic renal disease	3.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	9.7 %
Admitted for elective procedure		Cerebrovascular degeneration	2.2 %
Admitted for emergency		Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	l:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City		Hospital	10.1 Days
State	62.2%	State	9.4 Days
Outside State	20.4%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 1081	Burn Unit Yes
Occupancy Rate 77.0 %	Cardiac Intensive Care Yes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 26.5 %	Hospice Care No
Case Mix Index (CMI) 1.7124	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant Yes
Total Number of Physicians 473	Other Intensive Care Yes
Percent of Physicians Board Certified Specialists	Trauma Center Yes
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/Drug No
Registered Nurses	Rehabilitation Yes
Licensed Practical Nurses	Psychiatric Yes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

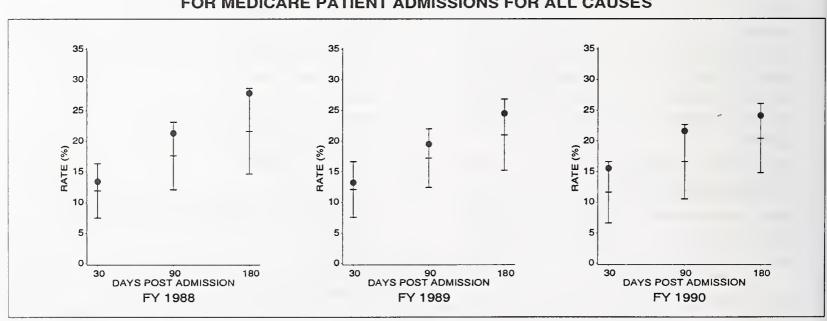
DUPLIN GENERAL HOSPITAL

DUPLIN ST, BOX 278 KENANSVILLE, NC 28349 Medicare Provider Number: 340120

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	Y RATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	>
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	431	15.5	11.6	2.5	21.6	16.6	3.0	24.1	20.4	2.8
CONDITIONS:										
Acute Myocardial Infarction	30	30.0	34.0		33.3	37.3		36.7	40.4	
Congestive Heart Failure	26	11.5	14.1		23.1	22.6		23.1	28.9	
Pneumonia/Influenza	41	22.0	14.3		26.8	19.9		31.7	23.8	
Chronic Obstructive Pulmonary Disease	10	30.0	7.9		30.0	14.0		30.0	18.4	
Transient Cerebral Ischemia	4	0.0	1.4	*****	0.0	3.3		0.0	5.8	
Stroke	39	23.1	17.6		33.3	22.9		38.5	26.4	
Hip Fracture	0									
Sepsis	6	50.0	25.8		83.3	30.4		83.3	34.6	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	6	0.0	1.2		0.0	2.3		0.0	3.4	
Hysterectomy	2	0.0	0.1		0.0	0.1		0.0	0.2	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DUPLIN GENERAL HOSPITAL Medicare Provider Number: 340120

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	5.3 %
Average age at admission	74.3 years		
Proportion female	58.9 %	Chronic cardiovascular disease	33.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	78.9 %	Chronic renal disease	7.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	14.8 %
Admitted for elective procedure		Cerebrovascular degeneration	5.3 %
Admitted for emergency		Diabetes mellitus	9.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City		Hospital	8.5 Days 9.4 Days
State Outside State		State National	8.6 Days
Total			

PROFILE:	SPECIALTY SERVICES:
Total Beds 80	Burn Unit No
Occupancy Rate 67.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 34.2 %	Hospice Care No
Case Mix Index (CMI) 1.0783	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/Drug No
Registered Nurses	RehabilitationNo
Licensed Practical Nurses	
	PsychiatricYes

^{*} Not used in calculating mortality rates

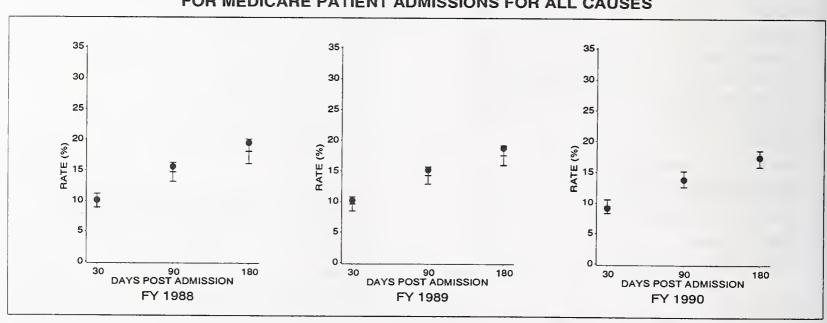
DURHAM COUNTY GENERAL HOSPITAL

3643 N ROXBORO ST DURHAM, NC 27704 Medicare Provider Number: 340155

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	3222	9.1	9.4	0.6	13.8	13.9	0.7	17.4	17.2	0.7		
CONDITIONS:												
Acute Myocardial Infarction	120	20.0	21.3	3.9	25.0	24.3	4.0	27.5	26.8	4.2		
Congestive Heart Failure	155	14.8	14.2	3.2	25.2	22.1	5.7	31.0	27.9	6.4		
Pneumonia/Influenza	152	15.1	16.3	3.8	19.7	22.5	4.4	25.0	26.5	5.3		
Chronic Obstructive Pulmonary Disease	23	4.3	7.8		13.0	13.4		17.4	17.1			
Transient Cerebral Ischemia	18	5.6	1.4	**	11.1	3.1		16.7	5.1			
Stroke	118	17.8	22.4	4.2	25.4	28.3	5.0	33.1	32.0	5.:		
Hip Fracture	136	5.1	6.3	2.4	9.6	10.8	2.9	12.5	13.8	3.		
Sepsis	81	30.9	27.6	6.5	38.3	34.7	6.9	43.2	39.4	8.9		
PROCEDURES:												
Angioplasty	11	0.0	2.1		0.0	2.7		0.0	3.4			
Coronary Artery Bypass Graft	27	7.4	6.2		11.1	8.6		11.1	9.5			
Initial Pacemaker Insertion	17	5.9	1.8		5.9	3.5		5.9	5.2			
Carotid Endarterectomy	15	6.7	1.5		6.7	2.7		13.3	3.9			
Hip Replacement/Reconstruction	106	1.9	3.4	2.3	2.8	6.1	4.1	4.7	8.0	4.8		
Open Reduction of Hip Fracture	51	3.9	5.8	3.7	9.8	10.5	4.6	11.8	13.6	5.0		
Prostatectomy	164	0.6	0.8	1.2	2.4	1.8	1.2	3.0	3.0	1.4		
Cholecystectomy	66	1.5	2.5		1.5	4.2		1.5	5.5			
Hysterectomy	48	0.0	0.7		0.0	1.5		0.0	2.4			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



DURHAM COUNTY GENERAL HOSPITAL

Medicare Provider Number: 340155

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.1 years	Cancer	8.2 %
Proportion female	60.5 %	Chronic cardiovascular disease	44.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.5 %
Referred by personal or HMO physician	46.5 %	Chronic renal disease	2.3 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.3 %
Admitted for elective procedure		Cerebrovascular degeneration	3.1 %
Admitted for emergency		Diabetes mellitus	7.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	66.2%	Hospital	10.3 Days
State	30.9%	State	9.4 Days
Outside State	2.9%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 73.0 %	Cardiac Intensive Care Yes
Ownership/Control Local Government	Comprehensive Geriatric Yes
Medicare Discharges 30.1 %	Hospice Care No
Case Mix Index (CMI) 1.4579	Medical/Surgical Intensive CareYes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 286	Other Intensive Care Yes
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugNo
Registered Nurses 397	RehabilitationNo
Licensed Practical Nurses 122	
	Psychiatric Yes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

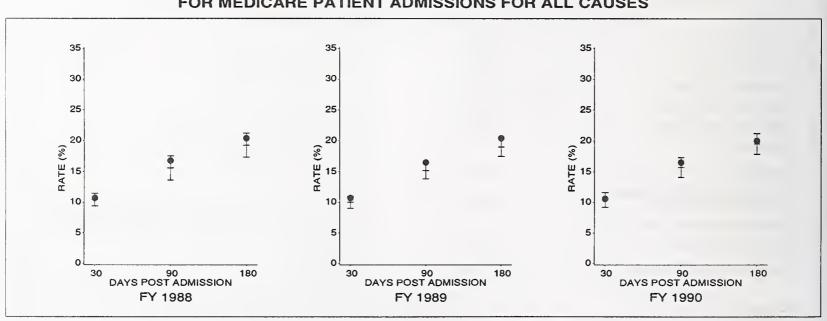
FORSYTH MEMORIAL HOSPITAL

3333 SILAS CREEK PARKWAY WINSTON-SALEM, NC 27103 Medicare Provider Number: 340014

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	Y RATE	RATES (%)					
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	6243	10.6	10.4	0.6	16.5	15.7	0.8	20.0	19.5	0.8	
CONDITIONS:											
Acute Myocardial Infarction	218	22.5	29.2	4.6	25.2	32.0	4.9	25.7	34.6	5.3	
Congestive Heart Failure	304	16.4	14.2	2.7	23.7	22.6	2.9	30.9	28.5	3.9	
Pneumonia/Influenza	215	18.1	15.6	3.9	23.3	21.6	3.2	27.0	25.4	3.2	
Chronic Obstructive Pulmonary Disease	106	15.1	6.8	4.0	19.8	12.1	4.7	23.6	16.1	4.8	
Transient Cerebral Ischemia	83	1.2	1.5	1.4	1.2	3.4	2.4	1.2	5.4	3.7	
Stroke	290	23.1	23.4	2.5	32.4	30.2	3.4	39.0	34.0	3.4	
Hip Fracture	246	4.9	6.2	1.7	8.9	10.9	2.1	11.4	14.2	2.5	
Sepsis	79	22.8	28.9	6.3	35.4	37.7	5.6	44.3	42.6	5.7	
PROCEDURES:											
Angioplasty	101	5.0	4.3	2.1	5.0	5.3	2.3	5.0	6.2	2.8	
Coronary Artery Bypass Graft	165	4.2	5.3	2.1	5.5	7.3	3.0	6.1	8.1	3.2	
Initial Pacemaker Insertion	61	1.6	4.1	3.2	6.6	7.2	5.6	11.5	10.0	7.6	
Carotid Endarterectomy	32	0.0	2.0		6.3	3.8		6.3	5.7		
Hip Replacement/Reconstruction	160	3.8	3.8	1.6	7.5	7.1	2.3	9.4	9.6	2.6	
Open Reduction of Hip Fracture	92	5.4	6.6	3.1	9.8	11.8	3.7	12.0	15.5	4.0	
Prostatectomy	104	1.9	1.8	1.5	4.8	4.2	2.0	4.8	6.7	2.8	
Cholecystectomy	140	5.7	3.8	1.9	11.4	6.8	3.2	13.6	8.9	3.4	
Hysterectomy	51	0.0	0.5	1.1	0.0	1.2	1.9	2.0	1.9	2.0	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



FORSYTH MEMORIAL HOSPITAL

Medicare Provider Number: 340014

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.0 years	Cancer	8.4 %
Proportion female	57.2 %	Chronic cardiovascular disease	41.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.4 %
Referred by personal or HMO physician	39.9 %	Chronic renal disease	4.2 %
Transferred from skilled nursing facility		Chronic pulmonary disease	17.1 %
Admitted for elective procedure		Cerebrovascular degeneration	5.3 %
Admitted for emergency		Diabetes mellitus	9.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	66.2% 30.8% 3.0%	State National	

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	modification of the second of

^{*} Not used in calculating mortality rates

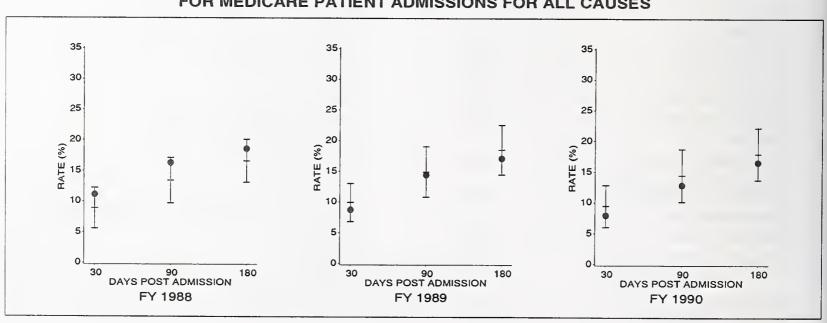
FRANKLIN REGIONAL MEDICAL CENTER

100 HOSPITAL DR, BOX 609 LOUISBURG, NC 27549 Medicare Provider Number: 340036

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	30 DAYS			90 DAYS			18	180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	705	7.9	9.4	1.7	12.8	14.4	2.2	16.5	17.9	2.1	
CONDITIONS:											
Acute Myocardial Infarction	17	17.6	25.4		17.6	28.9		17.6	31.8		
Congestive Heart Failure	38	7.9	10.4		13.2	16.5		15.8	21.6		
Pneumonia/Influenza	52	21.2	19.1	6.2	28.8	26.4	7.1	40.4	30.6	9.4	
Chronic Obstructive Pulmonary Disease	13	0.0	7.0		15.4	12.8		15.4	17.7		
Transient Cerebral Ischemia	23	4.3	1.8		8.7	4.1		8.7	6.9		
Stroke	28	14.3	19.9		25.0	27.2		35.7	31.3		
Hip Fracture	12	0.0	7.9		8.3	14.2		16.7	18.2		
Sepsis	5	0.0	24.3		20.0	31.5		20.0	37.4		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	10	0.0	7.6		10.0	14.1	••••	20.0	18.5		
Open Reduction of Hip Fracture	1	0.0	8.8		0.0	15.4		0.0	18.6		
Prostatectomy	0										
Cholecystectomy	7	0.0	2.4		0.0	4.0		0.0	5.3		
Hysterectomy	4	0.0	1.0		0.0	2.4		0.0	3.8		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



FRANKLIN REGIONAL MEDICAL CENTER Medicare Provider Number: 340036

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:			C 7 0/
Average age at admission	74.9 years	Cancer	5.7 %
Proportion female	63.3 %	Chronic cardiovascular disease	41.0 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	33.3 %	Chronic renal disease	2.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	19.6 %
Admitted for elective procedure		Cerebrovascular degeneration	4.5 %
Admitted for emergency		Diabetes mellitus	13.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	72.2%	Hospital	8.5 Days
State	27.1%	State	9.4 Days
Outside State	0.7%	National	8.6 Days
Total	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds85	Burn Unit No
Ownership/Control Private, For Profit	Coronary Care Unit Yes
Case Mix Index (CMI) 1.0765	Hospice Care N
TAFFING:	Intensive Care UnitYes
Medical Residents/Interns 0	Organ Transplant N
Registered Nurses20	Trauma Center N
Licensed Practical Nurses 18	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugYe
	Rehabilitation N
	PsychiatricYe
	Medicare Swing Beds N

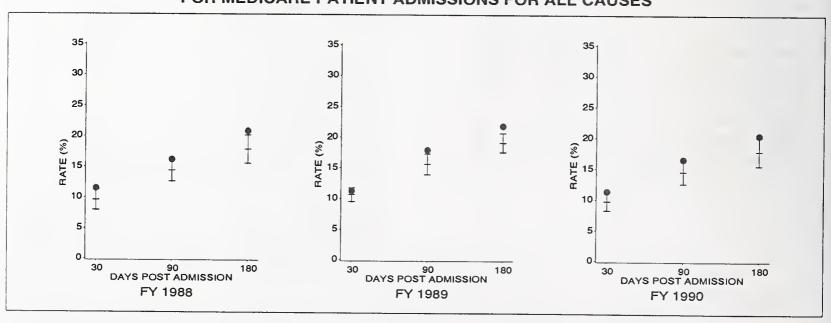
^{*} Not used in calculating mortality rates

GASTON MEMORIAL HOSPITAL
2525 COURT DR
GASTONIA, NC 28052
Medicare Provider Number: 340032

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	;	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2983	11.3	9.7	0.8	16.5	14.5	1.0	20.4	17.8	1.2	
CONDITIONS:											
Acute Myocardial Infarction	120	23.3	28.3	5.1	28.3	31.8	4.7	35.8	34.8	5.2	
Congestive Heart Failure	161	19.9	13.2	3.9	29.2	21.0	5.4	36.6	26.9	5.9	
Pneumonia/Influenza	135	17.8	14.2	3.6	23.7	19.5	4.0	30.4	23.0	5.3	
Chronic Obstructive Pulmonary Disease	47	6.4	7.4		21.3	12.9		27.7	17.1		
Transient Cerebral Ischemia	40	0.0	2.1		7.5	4.5		7.5	7.1		
Stroke	147	20.4	21.3	3.9	25.2	27.1	4.2	29.3	30.6	4.	
Hip Fracture	133	6.0	5.5	2.0	7.5	10.0	3.3	10.5	13.0	3.9	
Sepsis	44	22.7	28.4	*	29.5	37.2		38.6	41.6		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	25	4.0	3.3		16.0	6.3		16.0	9.2		
Carotid Endarterectomy	23	4.3	1.7		4.3	3.4		4.3	5.1		
Hip Replacement/Reconstruction	56	5.4	3.4	3.0	5.4	6.4	3.4	8.9	8.6	4.	
Open Reduction of Hip Fracture	69	2.9	5.4	4.1	4.3	10.2	6.8	7.2	13.4	7.9	
Prostatectomy	82	1.2	1.0	1.1	3.7	2.5	1.9	3.7	4.2	2.8	
Cholecystectomy	115	2.6	3.0	1.7	5.2	5.3	2.2	7.0	6.8	2.4	
Hysterectomy	32	0.0	0.7	••••	0.0	1.5		0.0	2.3		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



GASTON MEMORIAL HOSPITAL

Medicare Provider Number: 340032

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.3 years	Cancer	8.2 %
Proportion female	58.9 %	Chronic cardiovascular disease	32.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	34.6 %	Chronic renal disease	3.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.1 %
Admitted for elective procedure		Cerebrovascular degeneration	5.0 %
Admitted for emergency		Diabetes mellitus	10.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	86.8%	Hospital	12.2 Days
State		State	9.4 Days
Outside State	5.6%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Ownership.Control Private, Non-Profit	Coronary Care Unit Yes
Case Mix Index (CMI) 1.3102	Hospice CareYes
STAFFING:	Intensive Care Unit Yes
Medical Residents/Interns 0	Organ Transplant No
Registered Nurses 331	Trauma Center Yes
Licensed Practical Nurses	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
	Rehabilitation No
	Psychiatric Yes
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

** Except for CMI

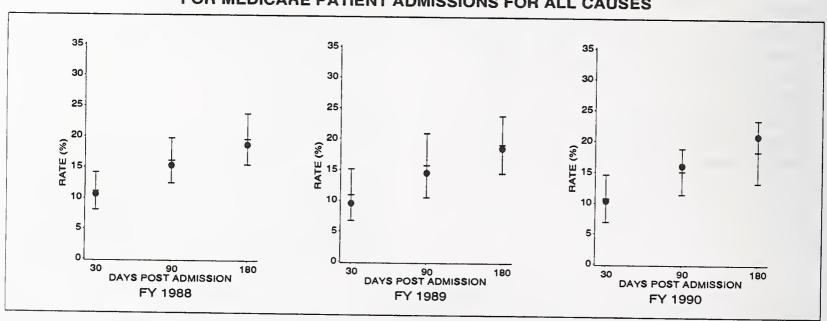
GOOD HOPE HOSPITAL

DENIM DR, BOX 668 ERWIN, NC 28339 Medicare Provider Number: 340124

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)							
CATECORY		30 DAYS			9	90 DAYS			180 DAYS					
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*				
ALL CAUSES	419	10.3	10.7	1.9	16.0		1.9	20.8	18.3	2.5				
CONDITIONS:							1.0	20.0	10.5	2.0				
Acute Myocardial Infarction	15	46.7	30.0		46.7	32.5		46.7	35.2					
Congestive Heart Failure	31	6.5	15.9		16.1	24.0		19.4	30.2					
Pneumonia/Influenza	27	3.7	17.8		7.4	23.6		18.5	27.1					
Chronic Obstructive Pulmonary Disease	2	0.0	9.3		0.0	14.2		0.0	17.9					
Transient Cerebral Ischemia	3	0.0	2.3		0.0	4.6		0.0	7.0					
Stroke	23	4.3	19.0		30.4	25.8	*****	43.5	29.7					
Hip Fracture	11	9.1	5.1		18.2	9.1		27.3	11.9					
Sepsis	13	15.4	23.0		30.8	30.0		38.5	33.7					
PROCEDURES:														
Angioplasty	0													
Coronary Artery Bypass Graft	0													
Initial Pacemaker Insertion	0													
Carotid Endarterectomy	0													
Hip Replacement/Reconstruction	2	0.0	3.6		0.0	6.9		0.0	9.5					
Open Reduction of Hip Fracture	7	0.0	4.3		0.0	7.7		0.0	10.1					
Prostatectomy	0							0.0	10.1					
Cholecystectomy	1	0.0	2.7		0.0	4.4		0.0	5.2					
Hysterectomy	0							0.0	٠.٣					

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



GOOD HOPE HOSPITAL Medicare Provider Number: 340124

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission	COMORBIDITIES: Cancer
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ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	73.0% 26.1% 0.9%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

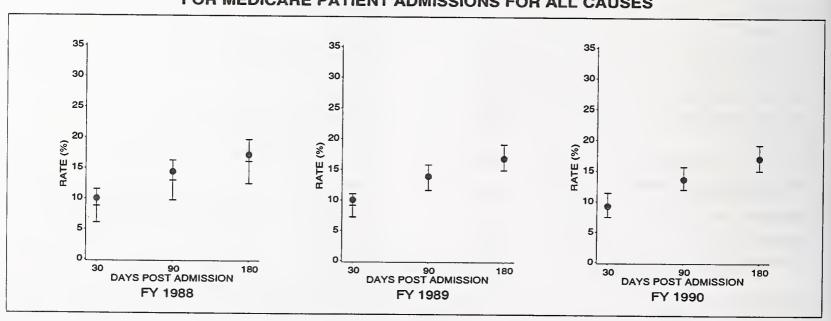
GRACE HOSPITAL INC

2201 S STERLING ST MORGANTON, NC 28655 Medicare Provider Number: 340075

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALITY RATES (%)							
04750000			30 DAY	S	9	0 DAYS	3	18	180 DAYS			
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	1392	9.2	9.4	1.0	13.6	13.8	0.9	17.0	17.1	1.1		
CONDITIONS:										•		
Acute Myocardial Infarction	44	18.2	24.8		25.0	27.8		27.3	30.7			
Congestive Heart Failure	87	14.9	13.5	4.7	23.0	21.4	4.6	29.9	27.1	5.4		
Pneumonia/Influenza	122	9.8	15.1	6.3	16.4	20.4	6.5	19.7	24.1	6.7		
Chronic Obstructive Pulmonary Disease	20	5.0	7.9		20.0	15.1		20.0	20.6			
Transient Cerebrai Ischemia	25	0.0	2.2		0.0	4.8		0.0	7.4			
Stroke	44	29.5	25.0		34.1	31.4		38.6	35.2			
Hip Fracture	48	8.3	5.2		10.4	9.3		10.4	12.2			
Sepsis	30	40.0	21.3		46.7	28.0	••	53.3	33.2			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	14	0.0	2.8		7.1	5.8		7.1	8.9			
Carotid Endarterectomy	1	0.0	1.5		0.0	2.5		0.0	3.7			
Hip Replacement/Reconstruction	22	9.1	2.9		9.1	5.5		9.1	7.7			
Open Reduction of Hip Fracture	27	3.7	5.5		7.4	10.1		7.4	13.2			
Prostatectomy	38	2.6	0.9		2.6	2.3	••••	2.6	3.9			
Cholecystectomy	33	3.0	1.9		3.0	3.6		6.1	4.9			
Hysterectomy	4	0.0	0.0		0.0	0.1		0.0	0.2			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



GRACE HOSPITAL INC Medicare Provider Number: 340075

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

	COMORBIDITIES:	
74.3 years	Cancer	5.6 %
	Chronic cardlovascular disease	42.9 %
	Chronic liver disease	0.8 %
45.4 %	Chronic renal disease	2.7 %
	Chronic pulmonary disease	13.7 %
	Cerebrovascular degeneration	5.2 %
50.5 %	Diabetes mellitus	15.4 %
	74.3 years 58.0 % 45.4 % 0.3 % 18.7 % 50.5 %	74.3 years 58.0 % Chronic cardlovascular disease Chronic liver disease 45.4 % Chronic renal disease Chronic pulmonary disease 18.7 % Cerebrovascular degeneration

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State	87.2% 11.4% 1.4%	Hospital State National	9.4 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Medical Residents/Interns	Alcohol/Drug

^{*} Not used in calculating mortality rates

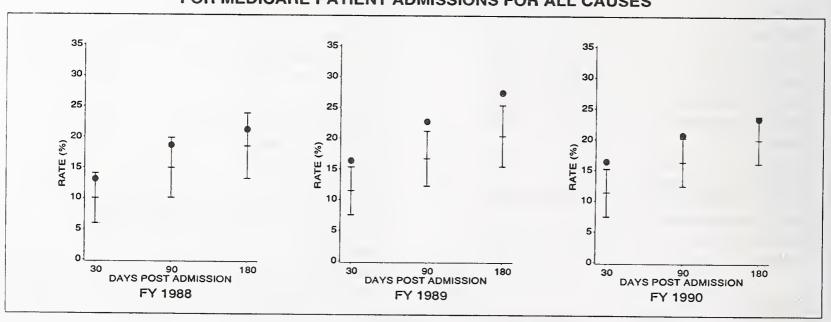
GRANVILLE MEDICAL CENTER

COLLEGE ST, BOX 947 OXFORD, NC 27565 Medicare Provider Number: 340127

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	RTALITY RATES (%)								
			30 DAY	S	9	0 DAYS	3	18	180 DAYS					
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*				
ALL CAUSES	566	16.4	11.3	2.0	20.7	16.3	2.0	23.3	19.9	1.9				
CONDITIONS:														
Acute Myocardial Infarction	24	37.5	27.1		45.8	30.3		58.3	33.6					
Congestive Heart Failure	33	18.2	10.9		24.2	18.3		27.3	23.8					
Pneumonia/Influenza	53	22.6	14.9	6.8	30.2	20.2	8.5	32.1	23.8	7.7				
Chronic Obstructive Pulmonary Disease	7	0.0	6.3		14.3	11.2		14.3	15.4					
Transient Cerebral Ischemia	14	7.1	1.3		7.1	2.9		7.1	4.7					
Stroke	29	20.7	21.1		24.1	27.1		24.1	30.8					
Hip Fracture	10	20.0	7.5		20.0	12.8		20.0	16.6					
Sepsis	30	30.0	21.5		36.7	27.9		43.3	32.6					
PROCEDURES:														
Angioplasty	0													
Coronary Artery Bypass Graft	0													
Initial Pacemaker Insertion	1	0.0	1.4		0.0	3.2		0.0	4.9					
Carotid Endarterectomy	0													
Hip Replacement/Reconstruction	4	25.0	9.1		25.0	15.6		25.0	20.3					
Open Reduction of Hip Fracture	5	20.0	6.1		20.0	11.1		20.0	14.8					
Prostatectomy	29	0.0	2.5		0.0	5.7		0.0	9.2					
Cholecystectomy	4	0.0	0.7		0.0	1.2		0.0	1.7					
Hysterectomy	2	0.0	0.1		0.0	0.2	••••	0.0	0.3					

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



GRANVILLE MEDICAL CENTER Medicare Provider Number: 340127

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.8 years	Cancer	7.4 %
Proportion female	58.0 %	Chronic cardiovascular disease	39.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	98.6 %	Chronic renal disease	1.6 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.4 %
Admitted for elective procedure		Cerebrovascular degeneration	5.8 %
Admitted for emergency		Diabetes mellitus	12.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	76.0%	Hospitai	
State	20.8%	State	9.4 Days
Outside State	3.2%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annuai Survey of Hospitals** - Survey Year 19	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit No Cardiac Intensive Care No Comprehensive Geriatric Yes Hospice Care No Medical/Surgical intensive Care Yes Organ/Tissue Transplant No Other intensive Care No Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug No Rehabilitation No
Licensed Practical Nurses	Psychiatric

^{*} Not used in calculating mortality rates

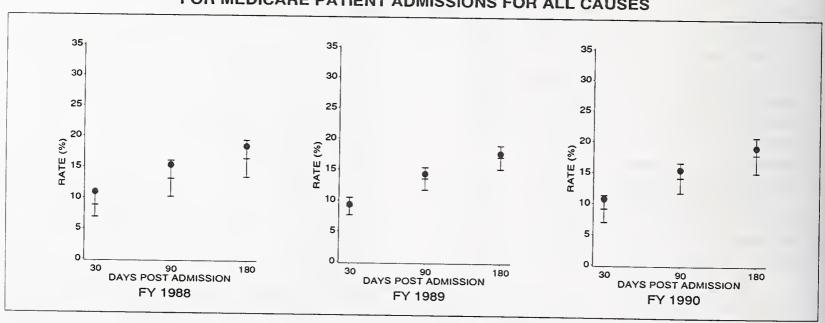
HALIFAX MEMORIAL HOSPITAL

250 SMITH CHURCH RD ROANOKE RAPIDS, NC 27870 Medicare Provider Number: 340151

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
CATEGORY	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS			
SALEGONI		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	1678	10.7	9.1	1.1	15.4	14.1	1.2	19.0	17.8	1.4		
CONDITIONS:									17.0	1.4		
Acute Myocardial Infarction	85	20.0	23.3	7.5	23.5	27.1	6.6	28.2	30.2	7.2		
Congestive Heart Failure	119	16.0	13.8	3.9	20.2	22.1	4.1	26.9	28.2	4.3		
Pneumonia/Influenza	93	19.4	13.3	6.2	25.8	18.4	6.7	28.0	21.8	7.4		
Chronic Obstructive Pulmonary Disease	55	18.2	8.1	5.4	30.9	13.9	8.2	34.5	18.8	8.7		
Transient Cerebral Ischemia	35	5.7	2.0		11.4	4.4		11.4	7.1			
Stroke	68	16.2	16.2	4.9	30.9	22.7	9.3	33.8	26.5	10.4		
Hip Fracture	27	11.1	6.1		11.1	10.7		11.1	13.8			
Sepsis	25	20.0	24.7		20.0	32.5		20.0	37.2			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	4	0.0	2.4		0.0	4.6		25.0	6.9			
Carotid Endarterectomy	0							20.0	0.5			
Hip Replacement/Reconstruction	22	4.5	5.1		9.1	10.3		13.6	14.5			
Open Reduction of Hip Fracture	12	16.7	7.0		16.7	12.6		16.7	16.2			
Prostatectomy	52	0.0	0.9	1.8	1.9	2.1	2.0	3.8	3.4	2.6		
Cholecystectomy	12	0.0	2.9		0.0	5.1		0.0	6.5	2.0		
Hysterectomy	8	0.0	0.3		0.0	0.7		0.0	1.1			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HALIFAX MEMORIAL HOSPITAL

Medicare Provider Number: 340151

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission	2 6 vears	COMORBIDITIES:	7.6 %
Proportion female 5			39.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physiclan 3	34.3 %	Chronic renal disease	5.7 %
	0.0 %	Chilothic paintonary allocation	
	3.0 %	Cerebrovascular degeneration	3.3 %
	0.1 %	Diabetes mellitus	14.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	66.9%	Hospital	
State Outside State		National	
Total	100.0%		

Occupancy Rate 90.0 % Cardiac Interval	SERVICES: No ensive Care No esive Geriatric No re No rgical Intensive Care Yes ue Transplant No sive Care No nter No ECIALTY/HOSPITAL-BASED SERVICES: ag No on No ewing Beds No
** Except for CMI	

^{*} Not used in calculating mortality rates

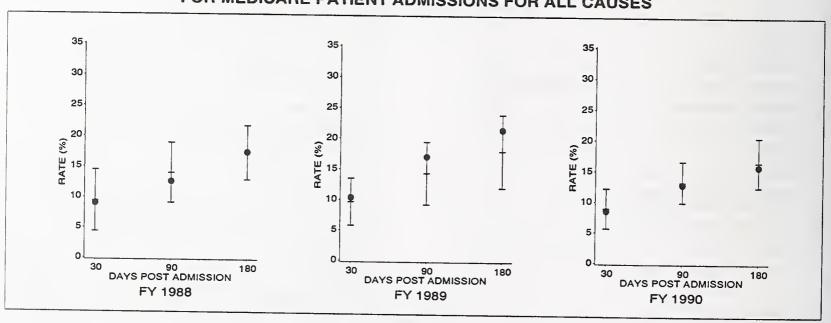
HAMLET HOSPITAL

118 VANCE ST, BOX 1109
HAMLET, NC 28345 Medicare Provider Number: 340106

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS			
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	470	8.5	8.9	1.6	12.8	13.2	1.7	15.7	16.4	2.0	
CONDITIONS:								, 0.,	10.4	2.0	
Acute Myocardial Infarction	22	27.3	34.9		27.3	37.7		27.3	41.0		
Congestive Heart Failure	22	9.1	10.4		18.2	17.0		27.3	22.3		
Pneumonia/Influenza	17	0.0	9.8		0.0	13.1		5.9	15.6		
Chronic Obstructive Pulmonary Disease	19	0.0	3.7		10.5	7.3		15.8	10.8		
Transient Cerebral Ischemia	8	0.0	2.0		0.0	4.4		0.0	7.0		
Stroke	22	27.3	18.8		27.3	24.4		31.8	28.4		
Hip Fracture	2	0.0	10.3		0.0	15.8		0.0	20.9		
Sepsis	7	42.9	23.3		42.9	30.2		57.1	34.7		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	2	0.0	8.7		0.0	14.1	****	0.0	19.1		
Prostatectomy	4	0.0	0.7		0.0	1.3	••••	0.0	2.2		
Cholecystectomy	3	0.0	2.4		0.0	3.7		0.0	4.9		
Hysterectomy	2	0.0	0.2	••••	0.0	0.5		0.0	0.8		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HAMLET HOSPITAL Medicare Provider Number: 340106

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	68.4 years	Cancer	4.7 %
Proportion female	59.4 %	Chronic cardiovascular disease	41.7 %
DMISSION SOURCES/TYPES:		Chronic liver disease	2.1 %
Referred by personal or HMO physician	48.7 %	Chronic renal disease	7.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	20.9 %
Admitted for elective procedure		Cerebrovascular degeneration	5.3 %
Admitted for emergency		Diabetes mellitus	13.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State	75.6% 20.9%	Hospital State National	6.7 Days 9.4 Days 8.6 Days
Total	100.0%		

Total Beds 64	Burn Unit No
Ownership/Control Private, For Profit	Coronary Care Unit No
Case Mix Index (CMI) 1.0823	Hospice Care No
TAFFING:	Intensive Care Unit Yes
Medical Residents/Interns 0	Organ Transplant No
Registered Nurses25	Trauma Center No
Licensed Practical Nurses 1	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugYes
	Rehabilitation No
	Psychiatric Yes
	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

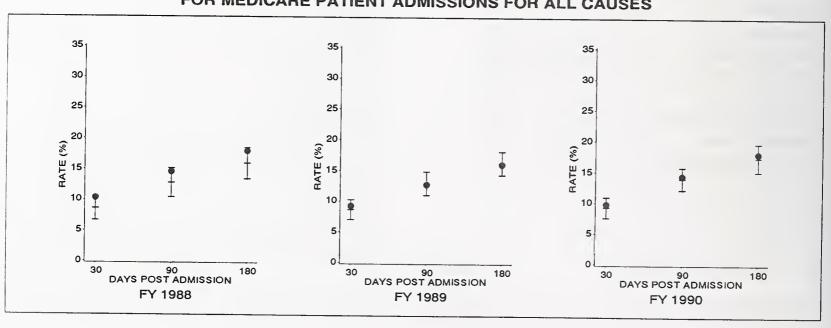
HAYWOOD COUNTY HOSPITAL

90 HOSPITAL DR CLYDE, NC 28721 Medicare Provider Number: 340025

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	ES (%)			
CATTOONY			30 DAY	S	9	90 DAYS			0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1751	9.7	9.2	0.8	14.3	13.9	0.9	17.9	17.3	1.1
CONDITIONS:									17.0	
Acute Myocardial Infarction	62	29.0	28.4	5.8	33.9	31.5	6.3	37.1	34.6	6.4
Congestive Heart Fallure	82	25.6	15.6	5.7	35.4	24.4	6.5	43.9	30.7	7.2
Pneumonia/Influenza	111	13.5	15.0	3.6	18.9	21.0	4.2	22.5	24.9	5.0
Chronic Obstructive Pulmonary Disease	39	10.3	6.3		15.4	12.2		17.9	17.1	
Transient Cerebral Ischemia	23	4.3	1.7		4.3	3.8		8.7	6.4	
Stroke	70	20.0	20.3	5.7	25.7	26.4	7.1	30.0	30.2	6.8
Hip Fracture	67	1.5	5.7	3.5	4.5	10.3	4.7	7.5	13.8	5.8
Sepsis	18	16.7	22.8		27.8	29.4		27.8	33.3	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	4.0		4.3	7.8		13.0	11.0	
Carotid Endarterectomy	0							10.0	11.0	
Hip Replacement/Reconstruction	37	2.7	4.1		10.8	7.6	*****	13.5	10.4	
Open Reduction of Hip Fracture	38	0.0	5.6		2.6	10.6		5.3	14.5	
Prostatectomy	59	0.0	0.9	1.7	0.0	2.2	3.3	3.4	3.7	3.1
Cholecystectomy	35	0.0	2.1		2.9	4.1		2.9	5.8	
Hysterectomy	6	0.0	1.1		0.0	2.5		0.0	4.1	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HAYWOOD COUNTY HOSPITAL Medicare Provider Number: 340025

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.8 years	Cancer	6.2 %
Proportion female	57.2 %	Chronic cardiovascular disease	32.2 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physician	33.8 %	Chronic renal disease	1.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.0 %
Admitted for elective procedure		Cerebrovascular degeneration	4.2 %
Admitted for emergency		Diabetes mellitus	5.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	83.7% 10.4% 5.9%	Hospital State National	7.6 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

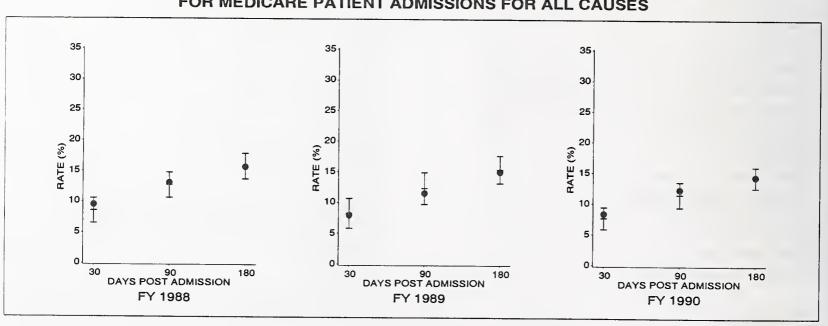
HCA RALEIGH COMMUNITY HOSPITAL INC

P O BOX 28280 RALEIGH, NC 27611 Medicare Provider Number: 340073

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ITY RATES (%)						
04750000		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	овѕ	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1646	8.3	7.6	0.9	12.2	11.4	1.0	14.3	14.2	0.9	
CONDITIONS:											
Acute Myocardial Infarction	29	24.1	26.0		37.9	29.1		37.9	32.1		
Congestive Heart Failure	70	12.9	12.5	4.0	27.1	19.5	6.4	32.9	25.1	6.8	
Pneumonia/Influenza	68	11.8	12.0	4.0	14.7	16.4	4.8	16.2	19.6	6.3	
Chronic Obstructive Pulmonary Disease	19	5.3	5.9		21.1	10.2		31.6	13.6		
Transient Cerebral Ischemia	18	0.0	1.1		0.0	2.5		0.0	4.0		
Stroke	47	17.0	23.2		17.0	29.0		19.1	32.4		
Hip Fracture	39	7.7	6.1		20.5	10.6		23.1	13.6		
Sepsis	18	22.2	18.2		27.8	24.8		33.3	29.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	15	0.0	2.0		0.0	4.3		0.0	6.8		
Carotid Endarterectomy	4	0.0	2.2		0.0	4.9		0.0	7.4		
Hip Replacement/Reconstruction	40	5.0	2.9		7.5	5.5		7.5	7.8		
Open Reduction of Hip Fracture	17	0.0	5.7		11.8	10.3		17.6	13.6		
Prostatectomy	43	2.3	0.8		2.3	1.8		2.3	2.9		
Cholecystectomy	75	2.7	2.3	1.8	4.0	3.9	2.2	4.0	5.1	2.7	
Hysterectomy	4	0.0	0.1		0.0	0.2		0.0	0.4		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HCA RALEIGH COMMUNITY HOSPITAL INC Medicare Provider Number: 340073

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.8 years	Cancer	4.3 %
Proportion female	62.1 %	Chronic cardiovascular disease	47.6 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.6 %
Referred by personal or HMO physician	54.1 %	Chronic renal disease	3.0 %
Transferred from skilled nursing facility	0.2 %	Chronic pulmonary disease	13.4 %
Admitted for elective procedure	23.9 %	Cerebrovascular degeneration	3.5 %
Admitted for emergency	42.2 %	Diabetes mellitus	9.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	73.8%	Hospital	10.0 Days
State	22.7%	State	9.4 Days
Outside State	3.5%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitais** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 163	Burn Unit No
Occupancy Rate 85.0 %	Cardiac Intensive Care No
Ownership/Control Private, For Profit	Comprehensive Geriatric No
Medicare Discharges 37.3 %	Hospice Care No
Case Mix Index (CMI) 1.2870	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 258	Other Intensive Care No
Percent of Physicians Board Certified Specialists82.6 %	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Practical Nurses28	PsychiatricYes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

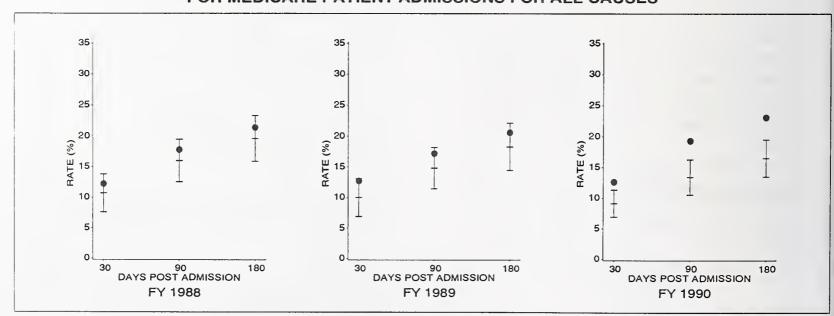
HERITAGE HOSPITAL

111 HOSPITAL DR TARBORO, NC 27886 Medicare Provider Number: 340107

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)				
		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	778	12.6	9.1	1.1	19.3	13.4	1.4	23.1	16.5	1.5	
CONDITIONS:											
Acute Myocardial Infarction	28	21.4	24.5		21.4	27.4		21.4	29.9		
Congestive Heart Failure	54	16.7	11.5	4.9	22.2	18.4	6.7	33.3	23.7	7.6	
Pneumonia/Influenza	42	23.8	13.4		33.3	18.3		40.5	21.7		
Chronic Obstructive Pulmonary Disease	10	20.0	5.7		30.0	10.9		30.0	14.9		
Transient Cerebral Ischemia	12	8.3	1.9		8.3	4.2		16.7	6.6		
Stroke	42	26.2	19.6		35.7	24.6		38.1	27.8		
Hip Fracture	24	0.0	5.0		12.5	9.0		12.5	12.2		
Sepsis	13	61.5	24.8		69.2	34.2		69.2	39.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	2	0.0	2.0		0.0	4.5		0.0	7.3		
Carotid Endarterectomy	1	0.0	0.4		0.0	0.7		0.0	1.0		
Hip Replacement/Reconstruction	21	4.8	1.9		4.8	3.7		4.8	5.3		
Open Reduction of Hip Fracture	14	0.0	5.1		21.4	9.5		21.4	13.1		
Prostatectomy	15	0.0	0.7		6.7	1.6		13.3	2.8		
Cholecystectomy	23	4.3	2.5		13.0	4.8		17.4	6.6		
Hysterectomy	16	0.0	0.9		0.0	1.9		0.0	3.0		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HERITAGE HOSPITAL Medicare Provider Number: 340107

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.9 years	Cancer	5.1 %
Proportion female	59.3 %	Chronic cardiovascular disease	38.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.3 %
Referred by personal or HMO physician	52.8 %	Chronic renal disease	1.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	14.0 %
Admitted for elective procedure	19.0 %	Cerebrovascular degeneration	6.2 %
		Diabetes mellitus	12.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	V:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	78.4%	Hospital	8.6 Days
State	20.6%	State	9.4 D a ys
Outside State	1.0%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 127	Burn Unit No
Occupancy Rate 52.0 %	Cardiac Intensive Care No
Ownership/Control Private, For Profit	Comprehensive Geriatric No
Medicare Discharges	Hospice CareYes
Case Mix Index (CMI) 1.2553	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses 82	RehabilitationNo
Licensed Practical Nurses	Psychiatric
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

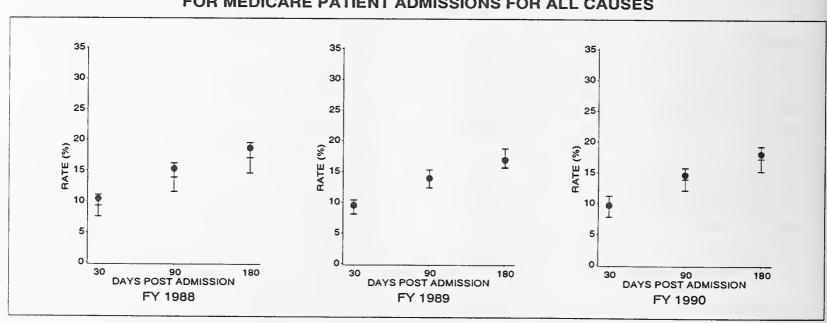
HIGH POINT REGIONAL HOSPITAL

601 N ELM ST HIGH POINT, NC 27261 Medicare Provider Number: 340004

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
	NUMBER OF CASES		30 DAYS			90 DAYS			180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	3023	9.7	9.5	0.9	14.6	13.9	0.9	18.0	17.2	1.0		
CONDITIONS:												
Acute Myocardial Infarction	139	33.1	30.3	5.0	39.6	33.1	6.7	41.7	36.0	6.5		
Congestive Heart Failure	166	11.4	13.2	4.3	18.1	20.9	7.4	24.1	26.4	7.6		
Pneumonia/Influenza	134	15.7	15.2	3.1	20.1	20.7	4.0	25.4	24.4	3.8		
Chronic Obstructive Pulmonary Disease	21	23.8	7.0		28.6	12.5		33.3	16.6			
Transient Cerebral Ischemia	36	2.8	1.9		5.6	4.3		5.6	7.1			
Stroke	139	15.1	18.7	6.2	20.9	24.7	7.0	26.6	28.5	7.1		
Hip Fracture	102	10.8	6.2	4.1	17.6	11.0	6.1	20.6	14.3	7.0		
Sepsis	52	17.3	24.8	7.9	21.2	31.1	9.2	30.8	35.2	8.2		
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	19	0.0	2.3		10.5	4.8		10.5	7.4			
Carotid Endarterectomy	22	0.0	1.2		0.0	2.3		4.5	3.4			
Hip Replacement/Reconstruction	76	5.3	4.2	2.8	13.2	7.6	5.1	17.1	10.2	6.6		
Open Reduction of Hip Fracture	40	17.5	5.3		22.5	9.9		22.5	13.2			
Prostatectomy	172	1.2	1.0	0.8	1.7	2.2	1.8	4.7	3.7	1.9		
Cholecystectomy	113	2.7	3.3	1.8	7.1	5.9	3.2	8.0	7.6	3.7		
Hysterectomy	30	3.3	0.4		3.3	1.0		3.3	1.6			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HIGH POINT REGIONAL HOSPITAL Medicare Provider Number: 340004

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.7 years	Cancer	7.3 %
Proportion female	56.9 %	Chronic cardiovascular disease	28.8 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	43.8 %	Chronic renal disease	3.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.6 %
Admitted for elective procedure		Cerebrovascular degeneration	4.8 %
Admitted for emergency		Diabetes mellitus	7.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	70.9%	Hospital	9.1 Days
State		State	9.4 Days
Outside State	1.5%	National	8.6 Days
Total	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds 329	Burn Unit No
Occupancy Rate 72.0 %	Cardiac Intensive Care Yes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 32.2 %	Hospice Care No
Case Mix Index (CMI) 1.3506	Medical/Surglcal Intensive Care Yes
TAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 147	Other Intensive Care Yes
Percent of Physicians Board Certified Specialists	Trauma Center N
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugYe
Registered Nurses 383	Rehabilitation N
Licensed Practical Nurses	Psychlatric
	Medicare Swing Beds N

^{*} Not used in calculating mortality rates

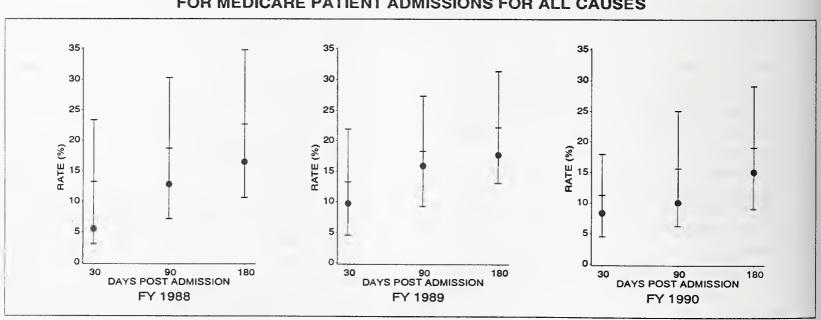
HIGHLANDS-CASHIERS HOSPITAL INC

5TH ST, DRAWER 190 HIGHLANDS, NC 28741 Medicare Provider Number: 340146

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)			
		30 DAYS			9	90 DAYS			180 DAYS	
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	овѕ	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	120	8.3	11.2	3.4	10.0	15.6	4.7	15.0	19.0	5.0
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	19.9		33.3	22.1		33.3	24.3	
Congestive Heart Failure	7	0.0	13.5		0.0	20.2		28.6	25.9	
Pneumonia/influenza	10	0.0	12.1		0.0	16.2		0.0	19.6	
Chronic Obstructive Pulmonary Disease	4	0.0	2.7		0.0	5.1		0.0	7.7	
Transient Cerebral Ischemia	2	0.0	1.7		0.0	3.6		0.0	5.8	
Stroke	11	27.3	15.0		27.3	20.5		36.4	24.7	
Hip Fracture	0									
Sepsis	1	0.0	52.4		0.0	61.1		0.0	66.4	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HIGHLANDS-CASHIERS HOSPITAL INC Medicare Provider Number: 340146

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	77.3 years	Cancer	5.0 %
Proportion female	54.2 %	Chronic cardiovascular disease	45.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	23.3 %	Chronic renal disease	1.7 %
Transferred from skilled nursing facility	0.8 %	Chronic pulmonary disease	19.2 %
Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	5.0 %
Admitted for emergency	71.7 %	Diabetes mellitus	4.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	39.6%	Hospital	4.3 Days
State	28.2%	State	9.4 Days
Outside State	32.2%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 55.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges	Hospice Care No
Case Mix Index (CMI) 1.0203	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians4	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
Medical Residents/Interns	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
Registered Nurses	RehabilitationNo
Licensed Flactical Nuises	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

Not used in calculating mortality rates

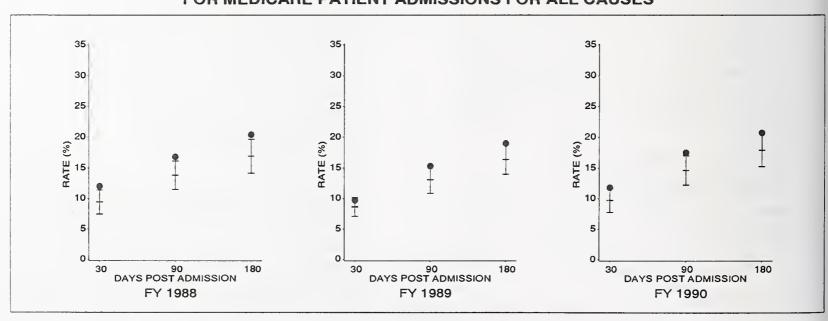
HIGHSMITH RAINEY MEMORIAL HOSPITAL

150 ROBESON STREET FAYETTEVILLE, NC 28301 Medicare Provider Number: 340164

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
		;	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1631	11.8	9.7	1.0	17.5	14.6	1.2	20.7	17.9	1.3	
CONDITIONS:											
Acute Myocardial Infarction	43	34.9	26.3		39.5	30.2		41.9	33.1		
Congestive Heart Failure	106	17.9	13.3	4.1	21.7	21.0	4.1	23.6	26.9	4.8	
Pneumonia/Influenza	87	18.4	16.2	6.3	29.9	22.0	7.5	31.0	25.9	7.3	
Chronic Obstructive Pulmonary Disease	41	12.2	8.0		19.5	14.0		22.0	18.4		
Transient Cerebral Ischemia	13	0.0	2.2		0.0	4.9		0.0	7.9		
Stroke	91	25.3	19.7	5.6	30.8	26.6	5.5	38.5	30.5	6.3	
Hip Fracture	43	4.7	7.2		14.0	12.3		18.6	15.6		
Sepsis	30	36.7	25.3		43.3	33.2		46.7	38.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	8	0.0	3.1	****	0.0	6.2		12.5	8.9		
Carotid Endarterectomy	5	0.0	0.7		0.0	1.5		0.0	2.2		
Hip Replacement/Reconstruction	24	0.0	4.1		8.3	7.2		12.5	9.2		
Open Reduction of Hip Fracture	28	3.6	6.3	*****	7.1	11.3		10.7	14.8		
Prostatectomy	59	0.0	1.1	1.9	1.7	2.5	2.6	3.4	4.2	3.5	
Cholecystectomy	63	1.6	1.7	1.6	6.3	3.2	3.1	6.3	4.3	3.6	
Hysterectomy	14	0.0	0.3		0.0	0.8		0.0	1.3		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HIGHSMITH RAINEY MEMORIAL HOSPITAL Medicare Provider Number: 340164

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.4 years	Cancer	7.8 %
Proportion female	58.8 %	Chronic cardiovascular disease	36.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	40.1 %	Chronic renal disease	3.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	18.0 %
Admitted for elective procedure	18.6 %	Cerebrovascular degeneration	4.2 %
Admitted for emergency	59.7 %	Diabetes mellitus	10.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	0.0%	Hospital	10.8 Days
State	97.3%	State	9.4 Days
Outside State	2.7%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds 150	Burn Unit No
Occupancy Rate 78.0 %	Cardiac Intensive Care No
Ownership/Control Private, For Profit	Comprehensive Geriatric No
Medicare Discharges 45.8 %	Hospice Care No
Case Mix Index (CMI) 1.2874	Medical/Surgical Intensive Care
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 131	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center Yes
Medical Residents/Interns	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Fractical Nurses	Psychiatric No
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

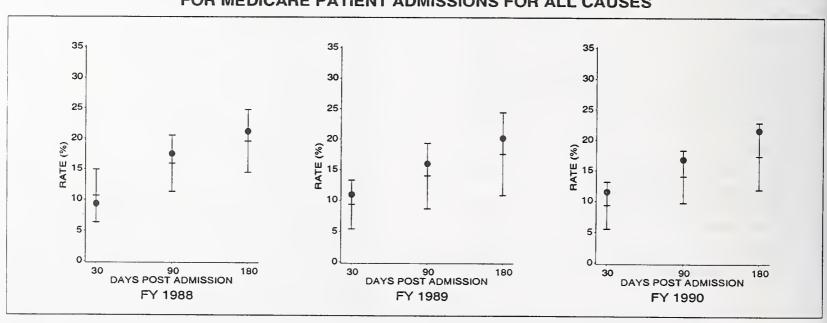
HOOTS MEMORIAL HOSPITAL

625 W MAIN ST BOX 68 YADKINVILLE, NC 27055 Medicare Provider Number: 340006

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	382	11.5	9.3	1.9	16.8	14.0	2.2	21.5	17.3	2.7	
CONDITIONS:											
Acute Myocardial Infarction	17	23.5	21.4		35.3	25.3		41.2	28.3		
Congestive Heart Failure	24	8.3	11.6		8.3	17.9		8.3	23.7		
Pneumonia/Influenza	30	16.7	10.8		20.0	15.5		26.7	18.8	*****	
Chronic Obstructive Pulmonary Disease	17	5.9	6.1		23.5	12.3		35.3	17.0		
Transient Cerebral Ischemia	3	0.0	1.5		0.0	3.3	****	0.0	5.5		
Stroke	12	25.0	18.9		25.0	26.1		25.0	30.4		
Hip Fracture	15	13.3	5.5		20.0	9.8		20.0	13.0		
Sepsis	23	34.8	21.6		43.5	28.2		47.8	32.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	7	14.3	4.2		14.3	7.4		14.3	10.1	••••	
Open Reduction of Hip Fracture	7	14.3	5.1		28.6	9.8		28.6	13.5		
Prostatectomy	4	0.0	2.0		0.0	5.0		0.0	8.7		
Cholecystectomy	13	0.0	1.2		0.0	2.1		0.0	2.9		
Hysterectomy	5	0.0	0.1		0.0	0.3		0.0	0.4		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HOOTS MEMORIAL HOSPITAL Medicare Provider Number: 340006

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.9 years	Cancer	3.7 %
Proportion female	59.7 %	Chronic cardiovascular disease	42.1 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	98.2 %	Chronic renal disease	2.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	21.2 %
Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	6.8 %
Admitted for emergency	0.8 %	Diabetes mellitus	9.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	83.4%	Hospital	5.3 Days
State	16.1%	State	9.4 Days
Outside State	0.5%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 50	Burn Unit No
Occupancy Rate 30.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 47.0 %	Hospice Care No
Case Mix Index (CMI) 1.1719	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 12	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns9	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Practical Nurses11	Psychiatric No
** Except for CMI	Medicare Swing BedsYes

^{*} Not used in calculating mortality rates

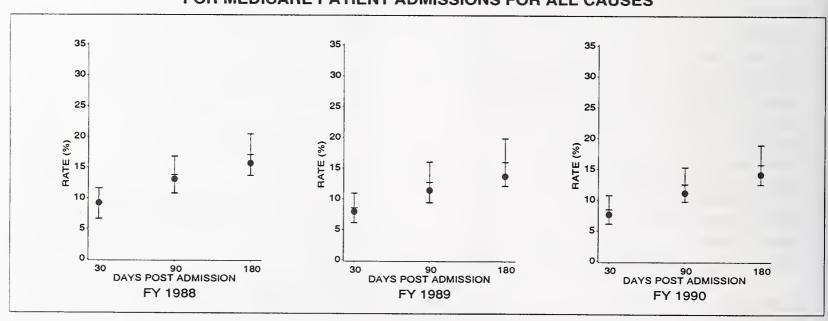
HUGH CHATHAM MEMORIAL HOSPITAL

PARKWOOD DR ELKIN, NC 28621 Medicare Provider Number: 340097

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	853	7.6	8.4	1.2	11.1	12.5	1.4	14.1	15.7	1.6	
CONDITIONS:											
Acute Myocardial Infarction	28	10.7	27.7		10.7	30.5		14.3	33.4		
Congestive Heart Failure	43	16.3	14.4		18.6	21.9		20.9	27.8		
Pneumonia/Influenza	66	10.6	15.6	8.0	18.2	21.5	7.0	21.2	25.2	7.4	
Chronic Obstructive Pulmonary Disease	22	9.1	8.4		22.7	14.4		27.3	18.8		
Transient Cerebral Ischemia	17	0.0	1.5	****	5.9	3.2		11.8	5.2		
Stroke	28	17.9	18.4		25.0	24.5		35.7	28.7		
Hip Fracture	23	8.7	7.1		8.7	12.1		8.7	15.2		
Sepsis	1	0.0	5.9		0.0	8.4		0.0	10.0		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	9	0.0	3.0		0.0	5.6		0.0	7.3		
Open Reduction of Hip Fracture	5	0.0	5.1	*****	0.0	9.2		0.0	12.2		
Prostatectomy	13	0.0	1.5	*****	0.0	3.5		7.7	5.9		
Cholecystectomy	14	0.0	1.5		0.0	2.4		0.0	3.2		
Hysterectomy	10	0.0	0.6	*	0.0	1.3	*****	0.0	1.9		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



HUGH CHATHAM MEMORIAL HOSPITAL

Medicare Provider Number: 340097

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.2 years	Cancer	3.6 %
Proportion female	59.7 %	Chronic cardiovascular disease	45.6 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	36.9 %	Chronic renal disease	2.0 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	19.7 %
Admitted for elective procedure	1.6 %	Cerebrovascular degeneration	7.3 %
Admitted for emergency		Diabetes mellitus	4.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	51.0%	Hospital	6.8 Days
State	47.3%	State	9.4 Days
Outside State	1.7%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of H	ospitals** - Survey Year 19	990
PROFILE:		SPECIALTY SERVICES:
Total Beds	148	Burn Unit No
Occupancy Rate	79.0 %	Cardiac Intensive Care No
Ownership.Control F	Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges	48.4 %	Hospice Care No
Case Mix Index (CMI)	1.0134	Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	19	Other Intensive Care No
Percent of Physicians Board Certified Specialists	94 2 04	Trauma Center No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns		Alcohol/Drug No
Registered Nurses	59	RehabilitationNo
Licensed Practical Nurses	14	Psychiatric No
** Except for CMI		Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

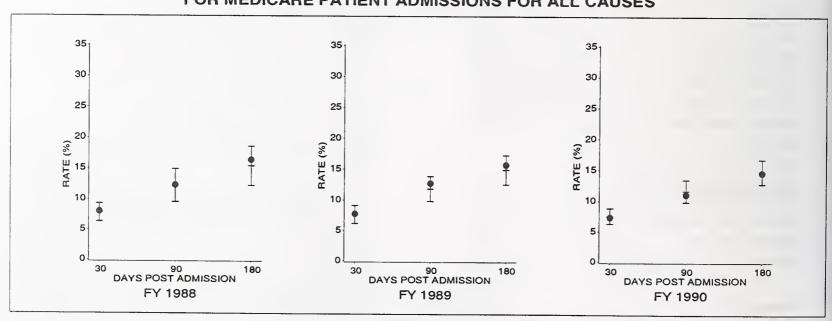
IREDELL MEMORIAL HOSPITAL INC

BROOKSDALE AT HARTNESS RD STATESVILLE, NC 28677 Medicare Provider Number: 340039

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

	NUMBER OF CASES	3	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1921	7.3	7.5	0.6	11.0	11.6	0.9	14.5	14.7	1.0	
CONDITIONS:											
Acute Myocardial Infarction	64	23.4	30.5	8.5	31.3	33.6	8.0	34.4	36.5	9.0	
Congestive Heart Failure	69	15.9	13.5	4.5	18.8	21.8	5.6	27.5	28.0	6.6	
Pneumonia/Influenza	96	10.4	13.2	6.8	13.5	18.2	7.3	14.6	21.4	7.9	
Chronic Obstructive Pulmonary Disease	20	5.0	7.2		10.0	13.4		15.0	18.0		
Transient Cerebral Ischemia	30	0.0	1.9		0.0	4.2		3.3	6.6		
Stroke	61	16.4	18.3	5.3	26.2	25.0	5.6	34.4	29.2	6.8	
Hip Fracture	47	17.0	6.4		21.3	11.0		23.4	14.0		
Sepsis	38	28.9	24.9		28.9	34.2		39.5	39.8		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	11	9.1	5.3		9.1	9.8		9.1	13.5		
Carotid Endarterectomy	1	0.0	0.6		0.0	1.3		0.0	2.1		
Hip Replacement/Reconstruction	44	9.1	3.6		9.1	6.7		11.4	9.0		
Open Reduction of Hip Fracture	13	15.4	7.6		30.8	13.3		30.8	16.7		
Prostatectomy	91	1.1	1.2	1.9	5.5	2.8	2.9	6.6	4.7	2.9	
Cholecystectomy	44	4.5	2.5		6.8	4.6		6.8	6.0		
Hysterectomy	12	0.0	0.1		0.0	0.2		0.0	0.4		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



IREDELL MEMORIAL HOSPITAL INC Medicare Provider Number: 340039

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.3 years	Cancer	7.1 %
Proportion female	57.5 %	Chronic cardiovascular disease	35.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	39.4 %	Chronic renal disease	3.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.2 %
Admitted for elective procedure		Cerebrovascular degeneration	4.3 %
Admitted for emergency		Diabetes mellitus	6.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	79.3%	Hospital	9.5 Days
State	18.9%	State	9.4 Days
Outside State	1.8%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 201	Burn Unit No
Occupancy Rate 71.0 %	Cardiac Intensive Care Yes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 42.8 %	Hospice Care No
Case Mix Index (CMI) 1.2102	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses 281	RehabilitationNo
Licensed Practical Nurses	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

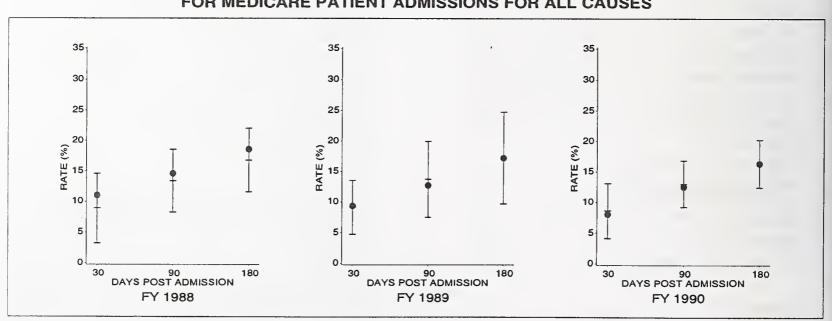
J ARTHUR DOSHER MEMORIAL HOSPITAL

924 HOWE ST SOUTHPORT, NC 28461 Medicare Provider Number: 340121

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	375	8.0	8.6	2.2	12.5	13.0	1.9	16.3	16.3	2.0	
CONDITIONS:											
Acute Myocardial Infarction	7	14.3	18.6		14.3	21.0		14.3	23.6		
Congestive Heart Failure	25	4.0	14.6		24.0	23.1		36.0	29.8		
Pneumonia/Influenza	38	21.1	17.7	*****	26.3	23.7		31.6	27.8		
Chronic Obstructive Pulmonary Disease	3	0.0	2.6		0.0	5.4		0.0	8.8		
Transient Cerebral Ischemia	8	0.0	1.7		0.0	3.6		0.0	5.6		
Stroke	15	13.3	19.1		20.0	24.9		33.3	28.6		
Hip Fracture	5	0.0	4.7		0.0	9.2	*****	0.0	12.8		
Sepsis	1	0.0	22.1		100.0	24.8		100.0	28.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	4	0.0	4.7		0.0	8.6		0.0	11.5		
Open Reduction of Hip Fracture	3	0.0	3.9		0.0	8.0	****	0.0	11.4		
Prostatectomy	10	0.0	1.1		0.0	2.5		0.0	4.1		
Cholecystectomy	10	0.0	1.7		0.0	3.7		0.0	5.5		
Hysterectomy	4	0.0	2.6		0.0	6.0		0.0	8.9		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases Is too small for satisfactory estimation.



J ARTHUR DOSHER MEMORIAL HOSPITAL Medicare Provider Number: 340121

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.3 years	Cancer	5.9 %
Proportion female	54.1 %	Chronic cardiovascular disease	47.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	87.7 %	Chronic renal disease	2.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	14.1 %
Admitted for elective procedure		Cerebrovascular degeneration	3.5 %
Admitted for emergency		Diabetes mellitus	8.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	87.3%	Hospital	6.3 Days
State	9.0%	State	9.4 Days
Outside State	3.7%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Total Number of Physicians 21 Percent of Physicians Board Certified Specialists 47.6 % Medical Residents/Interns 0 Registered Nurses 19 Licensed Practical Nurses 8	Other Intensive Care

^{*} Not used in calculating mortality rates

JOHN UMSTEAD HOSPITAL

12TH STREET BUTNER, NC 27509 Medicare Provider Number: 340136

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	S (%)	MORTALITY RATES (%)										
	NUMBER OF CASES		30 DAYS			90 DAYS			180 DAYS									
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*								
ALL CAUSES	38	2.6	11.5		10.5	18.9		18.4	23.7									
CONDITIONS:																		
Acute Myocardial Infarction	0																	
Congestive Heart Failure	2	0.0	18.7		50.0	31.3		50.0	39.8									
Pneumonia/Influenza	6	0.0	9.5		16.7	14.6	*	16.7	17.9									
Chronic Obstructive Pulmonary Disease	1	0.0	4.4		0.0	10.7		0.0	16.8									
Transient Cerebral Ischemia	0																	
Stroke	1	0.0	19.0		0.0	27.9		100.0	33.8									
Hip Fracture	0																	
Sepsis	0																	
PROCEDURES:																		
Angioplasty	0																	
Coronary Artery Bypass Graft	0																	
Initial Pacemaker Insertion	0																	
Carotid Endarterectomy	0																	
Hip Replacement/Reconstruction	0																	
Open Reduction of Hip Fracture	0																	
Prostatectomy	0																	
Cholecystectomy	0																	
Hysterectomy	0																	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

JOHN UMSTEAD HOSPITAL

Medicare Provider Number: 340136

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	70.1 years	Cancer	5.3 %
Proportion female		Chronic cardiovascular disease	18.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	5.3 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.8 %
Admitted for elective procedure		Cerebrovascular degeneration	47.4 %
Admitted for emergency		Diabetes mellitus	7.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	24.2% 72.8%	MEDICARE AVERAGE LENGTH OF STAY: Hospital State National	9.4 Days
Total	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds 713	Burn Unit No
Occupancy Rate 81.0 %	Cardiac Intensive Care No
Ownership/Control State Government	Comprehensive Geriatric Yes
Medicare Discharges(Not Available)	Hospice Care N
Case Mix Index (CMI) 1.0276	Medical/Surgical Intensive Care N
TAFFING:	Organ/Tissue Transplant N
Total Number of Physicians	Other Intensive Care N
	Trauma Center N
Percent of Physicians Board Certified Specialists	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugN
Registered Nurses 145	Rehabilitation N
Licensed Practical Nurses	PsychiatricYe
	Medicare Swing Beds Ye

^{*} Not used in calculating mortality rates

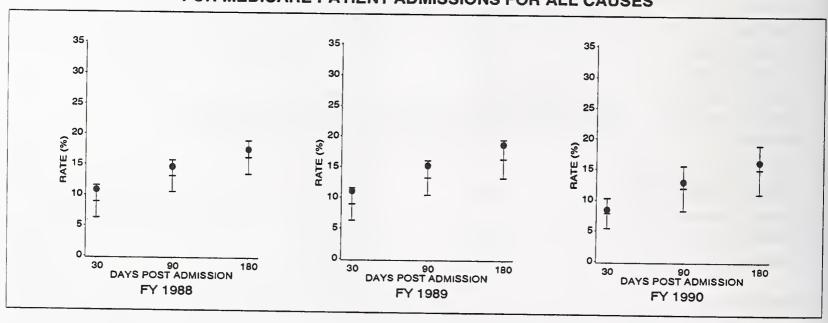
JOHNSTON MEMORIAL HOSPITAL

HIGHWAY 301 N SMITHFIELD, NC 27577 Medicare Provider Number: 340090

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS			
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1185	8.4	7.8	1.2	12.9	11.9	1.8	16.1	14.9	2.0	
CONDITIONS:								10.1	14.5	2.0	
Acute Myocardial Infarction	46	19.6	22.4		23.9	25.5		26.1	28.1		
Congestive Heart Fallure	54	25.9	13.1	6.7	31.5	21.1	7.8	40.7	26.9	9.1	
Pneumonla/Influenza	84	23.8	14.9	5.7	31.0	20.3	5.9	32.1	24.2	5.6	
Chronic Obstructive Pulmonary Disease	13	0.0	10.1		23.1	18.0		38.5	24.1		
Translent Cerebral Ischemia	20	5.0	1.4		5.0	3.4		15.0	5.5		
Stroke	57	17.5	17.0	7.4	24.6	23.3	5.8	28.1	27.0	6.0	
Hip Fracture	30	0.0	5.5		3.3	9.6		6.7	12.3		
Sepsis	12	25.0	34.0		50.0	40.5		50.0	44.8		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	12	0.0	1.9		8.3	3.2		8.3	4.4		
Open Reduction of Hip Fracture	27	0.0	4.9	~	3.7	8.9		7.4	11.6		
Prostatectomy	47	0.0	0.8		0.0	1.9		2.1	3.4		
Cholecystectomy	24	0.0	1.9		0.0	3.1		0.0	4.0		
Hysterectomy	13	0.0	0.2		0.0	0.4	*****	0.0	0.7	*****	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



JOHNSTON MEMORIAL HOSPITAL Medicare Provider Number: 340090

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.6 years	Cancer	5.5 %
Proportion female	56.3 %	Chronic cardiovascular disease	40.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	44.3 %	Chronic renal disease	2.8 %
Transferred from skilled nursing facility		Chronic pulmonary disease	22.7 %
Admitted for elective procedure		Cerebrovascular degeneration	5.0 %
Admitted for emergency		Diabetes mellitus	7.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	89.5%	Hospital	9.6 Days
State	8.9%	State	9.4 Days
Outside State	1.6%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year	1990
PROFILE:	SPECIALTY SERVICES:
Total Beds 117	Burn Unit No
Occupancy Rate 70.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges(Not Available)	Hospice Care No
Case Mix Index (CMI) 1.1275	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Practical Nurses	PsychiatricYes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

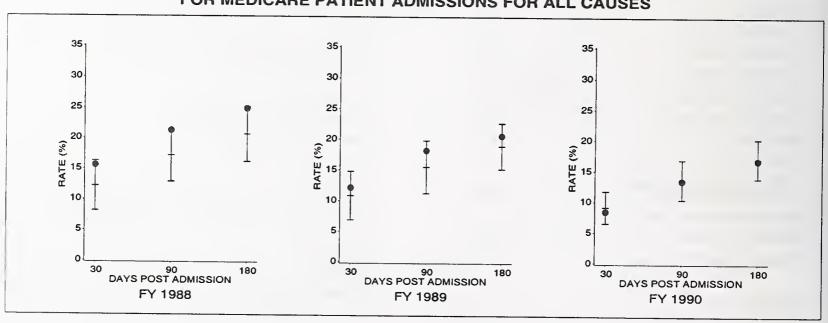
KINGS MOUNTAIN HOSPITAL INC

706 W KING ST KINGS MOUNTAIN, NC 28086 Medicare Provider Number: 340037

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M			-				
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			18	180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	605	8.4	9.1	1.3	13.4	13.6	1.6	16.7	17.0	1.6	
CONDITIONS:											
Acute Myocardial Infarction	19	10.5	26.3		15.8	29.3		26.3	31.7		
Congestive Heart Failure	39	17.9	14.1	•	23.1	22.6		28.2	28.5		
Pneumonia/Influenza	39	12.8	15.8		12.8	21.4		17.9	25.3		
Chronic Obstructive Pulmonary Disease	22	9.1	8.6		18.2	15.6		18.2	21.0		
Transient Cerebral Ischemia	13	0.0	1.5		7.7	3.6		7.7	5.8		
Stroke	34	14.7	21.5		23.5	28.2		26.5	32.5		
Hip Fracture	12	16.7	5.0		25.0	8.6		25.0	11.3		
Sepsis	2	0.0	11.9		0.0	15.0		0.0	18.6		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	3	0.0	2.3		0.0	4.4		0.0	6.5		
Carotid Endarterectomy	1	0.0	0.9		0.0	1.7		0.0	2.8		
Hip Replacement/Reconstruction	6	16.7	4.8		16.7	8.7		16.7	11.5		
Open Reduction of Hip Fracture	5	0.0	4.7		20.0	8.0		20.0	10.7		
Prostatectomy	18	0.0	2.5		11.1	5.3		11.1	8.3		
Cholecystectomy	11	9.1	3.0		18.2	6.4		27.3	9.0		
Hysterectomy	1	0.0	0.1		0.0	0.1		0.0	0.2		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



KINGS MOUNTAIN HOSPITAL INC

Medicare Provider Number: 340037

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.2 years	Cancer	7.1 %
Proportion female	58.7 %	Chronic cardiovascular disease	36.4 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.5 %
Referred by personal or HMO physician	31.9 %	Chronic renal disease	1.2 %
Transferred from skilled nursing facility		Chronic pulmonary disease	18.7 %
Admitted for elective procedure		Cerebrovascular degeneration	3.8 %
Admitted for emergency		Diabetes mellitus	6.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	56.6%	Hospital	9.9 Days
State		State	9.4 Days
Outside State	6.1%	National	8.6 Days
Total 1	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds 102	Burn Unit No
Occupancy Rate 52.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 48.5 %	Hospice Care No
Case Mix Index (CMI) 1.1408	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses40	RehabilitationNo
Licensed Practical Nurses	Psychiatric Yes
Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

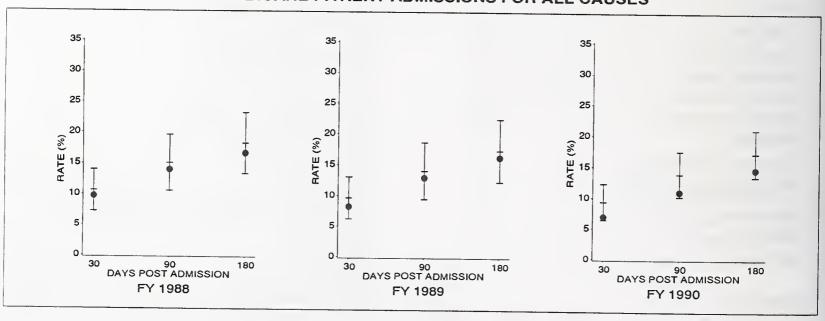
LAKE NORMAN REGIONAL MEDICAL CENTER

610 E CENTER AV MOORESVILLE, NC 28115 Medicare Provider Number: 340129

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

			MORTALITY RATES (%)								
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			18	180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	827	6.9	9.3	1.5	10.9	13.8	1.8	14.5	17.1	1.9	
CONDITIONS:								14.0	17.1	1.5	
Acute Myocardial Infarction	29	27.6	26.5		27.6	30.2		37.9	33.3		
Congestive Heart Failure	37	5.4	16.1		21.6	24.9	*****	29.7	31.0		
Pneumonia/Influenza	50	12.0	16.1		20.0	21.6		20.0	24.9		
Chronic Obstructive Pulmonary Disease	15	0.0	7.8		13.3	13.1		26.7	17.0		
Transient Cerebral Ischemia	8	0.0	1.2		0.0	2.9		0.0	4.9		
Stroke	31	6.5	20.8		9.7	27.5		12.9	31.7		
Hip Fracture	33	9.1	7.5		12.1	13.0		12.1	16.8		
Sepsis	6	33.3	27.0		33.3	31.4		33.3	35.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	10	0.0	3.1		10.0	5.9		40.0	8.5		
Carotid Endarterectomy	3	0.0	1.6		0.0	3.0		0.0	4.5		
Hip Replacement/Reconstruction	17	5.9	4.8		5.9	8.2		5.9	10.2	~	
Open Reduction of Hip Fracture	13	0.0	6.7		7.7	12.0		7.7	16.0		
Prostatectomy	10	0.0	3.9	*****	0.0	8.3		20.0	12.5		
Cholecystectomy	14	0.0	2.8		0.0	6.3		0.0	9.3		
Hysterectomy	10	0.0	0.2	*****	0.0	0.4		0.0	0.8		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



LAKE NORMAN REGIONAL MEDICAL CENTER

Medicare Provider Number: 340129

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	eβ	COMORBIDITIES:	
Average age at admission	74.7 years	Cancer	4.5 %
Proportion female	63.8 %	Chronic cardiovascular disease	43.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	40.0 %	Chronic renal disease	2.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	16.6 %
Admitted for elective procedure		Cerebrovascular degeneration	7.0 %
Admitted for emergency		Diabetes mellitus	5.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	:
County/City	71.1%	Hospital	7.2 Days
State	26.6%	State	9.4 Days
Outside State	2.3%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Medicare Discharges	Hospice Care
Total Number of Physicians 38 Percent of Physicians Board Certified Specialists 63.2 % Medical Residents/Interns 0	Trauma Center
Registered Nurses 77 Licensed Practical Nurses 6 ** Except for CMI	Rehabilitation

^{*} Not used in calculating mortality rates

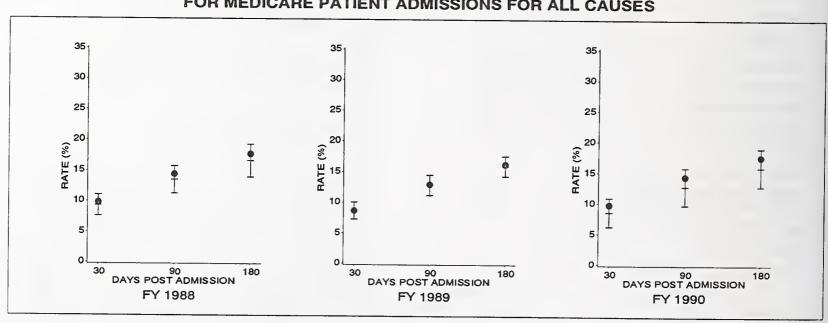
LENOIR MEMORIAL HOSPITAL

100 AIRPORT RD KINSTON, NC 28501 Medicare Provider Number: 340027

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY	NUMBER OF CASES		30 DAY	S	90 DAYS			180 DAYS			
OATEGON!		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2279	9.7	8.5	1.2	14.3	12.7	1.5	17.5	15.8	1.6	
CONDITIONS:									.0.0	1.0	
Acute Myocardial Infarction	69	20.3	29.3	9.0	27.5	32.6	9.0	33.3	35.7	7.9	
Congestive Heart Failure	110	18.2	12.6	4.4	21.8	20.1	4.0	27.3	25.8	4.8	
Pneumonia/Influenza	114	19.3	14.5	5.0	28.1	19.7	6.8	32.5	23.3	6.6	
Chronic Obstructive Pulmonary Disease	39	10.3	5.3		15.4	9.3		17.9	12.9		
Transient Cerebral Ischemla	43	9.3	1.7		11.6	3.8		16.3	6.2		
Stroke	108	13.9	21.3	6.4	22.2	26.6	5.5	26.9	29.9	5.2	
Hip Fracture	48	14.6	6.5		18.7	11.1		20.8	14.2		
Sepsis	27	25.9	18.5		33.3	25.2		33.3	29.6		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	13	0.0	1.6		0.0	3.3		0.0	5.0		
Carotid Endarterectomy	10	0.0	1.9		0.0	3.4		0.0	5.0		
Hip Replacement/Reconstruction	36	2.8	2.4		2.8	4.2		8.3	5.7		
Open Reduction of Hip Fracture	30	16.7	6.0		20.0	10.6		20.0	13.7		
Prostatectomy	46	0.0	0.7		2.2	1.6		4.3	2.8		
Cholecystectomy	30	3.3	2.4		6.7	4.3		6.7	5.6		
Hysterectomy	17	0.0	0.3		0.0	0.6		0.0	1.1		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



LENOIR MEMORIAL HOSPITAL

Medicare Provider Number: 340027

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 72.9 year	rs Cancer 6.8 %
Proportion female 58.5 %	Chronic cardiovascular disease 34.4 %
ADMISSION SOURCES/TYPES:	Chronic liver disease 0.8 %
Referred by personal or HMO physician 28.3 %	Chronic renal disease2.0 %
Transferred from skilled nursing facility 0.1 %	Chronic pulmonary disease 20.2 %
	Cerebrovascular degeneration 2.7 %
Admitted for elective procedure	Diabetes mellitus 8.2 %
Admitted for emergency 57.4 %	

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	73.3% 26.1% 0.6%	Hospital State National	9.4 Days

PROFILE:		SPECIALTY SERVICES:
Total Beds	249	Burn Unit No
Occupancy Rate 84		Cardiac Intensive CareYes
Ownership.Control Private, Non-Pr		Comprehensive Geriatric No
Medicare Discharges 42		Hospice Care No
Case Mix Index (CMI) 1.1		Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	62	Other Intensive Care Yes
		Trauma Center No
Percent of Physicians Board Certified Specialists79	9.0 %	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	0	Alcohol/Drug No
Registered Nurses	193	RehabilitationNo
Licensed Practical Nurses	58	Psychiatric No
		Medicare Swing BedsYes

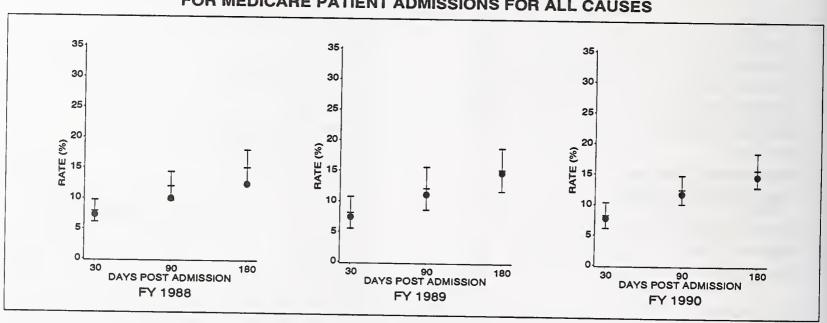
^{*} Not used in calculating mortality rates

LEXINGTON MEMORIAL HOSPITAL INC
OLD SALISBURY RD, BOX 1817
LEXINGTON, NC 27292
Medicare Provider Number: 340096

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATECORY	NUMBER OF CASES		30 DAY	S	9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1027	7.7	8.2	1.1	11.7		1.2	14.5	15.6		
CONDITIONS:						12.7	1.2	14.5	15.6	1.4	
Acute Myocardial Infarction	51	25.5	22.6	10.3	31,4	26.1	9.3	31.4	29.3	8.9	
Congestive Heart Fallure	59	8.5	13.6	7.2	18.6	22.0	6.7	25.4	28.2	6.7	
Pneumonla/Influenza	41	9.8	13.2		17.1	18.6		19.5	22.2		
Chronic Obstructive Pulmonary Disease	18	16.7	7.1		27.8	13.6		33.3	18.8		
Translent Cerebral Ischemia	17	0.0	2.2		0.0	4.9		0.0	7.6		
Stroke	49	20.4	22.2		32.7	28.9		34.7	32.8		
Hip Fracture	35	0.0	4.8		2.9	8.8		2.9	11.8		
Sepsis	5	0.0	19.0		0.0	25.8		0.0	30.2		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	4	0.0	1.5		0.0	3.2		0.0	5.0		
Carotid Endarterectomy	0							0.0	5.0		
Hip Replacement/Reconstruction	23	0.0	5.2		4.3	10.0		4.3	13.8		
Open Reduction of Hip Fracture	12	0.0	3.9		0.0	7.5		0.0	10.3		
Prostatectomy	25	0.0	1.3		0.0	3.0		0.0	5.0		
Cholecystectomy	26	0.0	2.4		0.0	4.1		0.0	5.1		
Hysterectomy	13	0.0	0.1	****	0.0	0.3	*****	0.0	0.6		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



LEXINGTON MEMORIAL HOSPITAL INC

Medicare Provider Number: 340096

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.0 years	Cancer	4.8 %
Proportion female	61.8 %	Chronic cardiovascular disease	47.1 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	74.8 %	Chronic renal disease	4.1 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	23.9 %
Admitted for elective procedure	9.1 %	Cerebrovascular degeneration	3.9 %
Admitted for emergency	32.6 %	Diabetes mellitus	12.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	93.1%	Hospital	8.7 Days
State	5.5%	State	9.4 Days
Outside State	1.4%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	0
PROFILE:	SPECIALTY SERVICES:
Total Beds 94	Burn Unit No
Occupancy Rate 66.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 36.9 %	Hospice Care No
Case Mix Index (CMI) 1.1365	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 42	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/Drug No
Registered Nurses 106	Rehabilitation
Licensed Practical Nurses 8	Psychiatric No
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

LINCOLN COUNTY HOSPITAL

GAMBLE DRIVE, BOX 677

LINCOLNTON, NC 28092

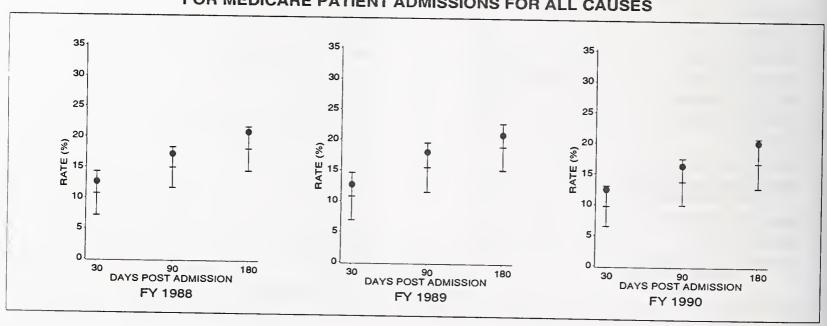
Medicare Provider Number: 340145

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	DRTALIT	YRATE	S (%)			
CATEGORY		30 DAYS			90 DAYS			180 DAYS		
020011	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD'
ALL CAUSES	718	12.4	9.7	1.6	16.3	13.7	1.9	20.1	16.7	
CONDITIONS:					10.0	10.7	1.5	20.1	10.7	2.0
Acute Myocardial Infarction	41	39.0	27.0		39.0	29.7	*****	46.3	32.3	
Congestive Heart Failure	53	17.0	12.3	9.3	26.4	19.4	9.2	26.4	25.1	8.4
Pneumonla/Influenza	49	24.5	15.6		26.5	20.6		36.7	24.3	0
Chronic Obstructive Pulmonary Disease	11	9.1	8.1		9.1	13.0		9.1	16.6	
Transient Cerebral Ischemia	7	0.0	1.0		0.0	2.4		0.0	4.1	
Stroke	37	13.5	16.3		16.2	20.9		24.3	24.3	
Hip Fracture	25	12.0	5.8		20.0	9.9		20.0	12.9	
Sepsis	11	9.1	16.5		18.2	22.4		27.3	26.3	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	25.0	4.9		37.5	9.2		37.5	12.1	
Open Reduction of Hip Fracture	19	5.3	4.8		10.5	8.4		10.5	11.2	
Prostatectomy	17	0.0	1.4		0.0	3.4		0.0	5.8	
Cholecystectomy	28	7.1	2.5		7.1	4.6		10.7	5.9	
Hysterectomy	2	0.0	0.1		0.0	0.2	****	0.0	0.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



LINCOLN COUNTY HOSPITAL

Medicare Provider Number: 340145

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission 73	3.6 vears	Cancer	4.2 %
Proportion female 57		Chronic cardiovascular disease	41.9 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician 25	5.0 %	Chronic renal disease	0.8 %
	0.1 %	Chronic pulmonary disease	12.8 %
Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	3.9 %
Admitted for emergency39	9.6 %	Diabetes mellitus	9.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	76.0%	Hospital	7.9 Days
State	22.6%	State	9.4 Days
Outside State	1.4%	National	8.6 Days
Total	100.0%		

SOURCE: Health Care Financing Administration (OSCAR)	** - Survey Year 1991
PROFILE:	SPECIALTY SERVICES:
Total Beds 110	Burn Unit No
Ownership/Control Local Government	Coronary Care Unit Yes
Case Mix Index (CMI) 1.2244	Hospice Care No
STAFFING:	Intensive Care Unit No
Medical Residents/Interns 0	Organ Transplant No
Registered Nurses 65	Trauma Center No
Licensed Practical Nurses23	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
	Rehabilitation No
	Psychiatric No
	Medicare Swing Beds No
** Except for CMI	

^{*} Not used in calculating mortality rates

MARGARET R PARDEE MEMORIAL HOSPITAL

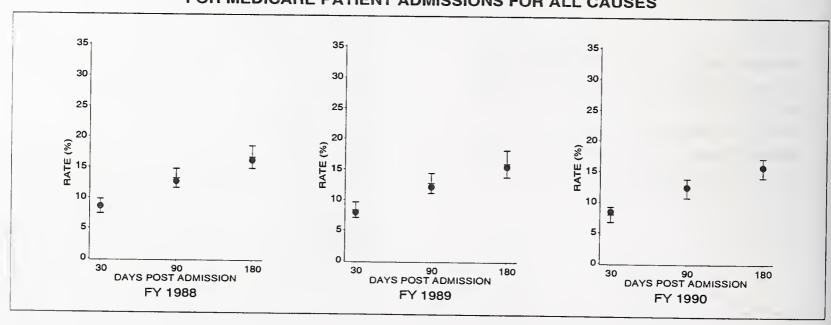
715 FLEMING ST HENDERSONVILLE, NC 28739 Medicare Provider Number: 340017

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
CATEGORY	NUMBER OF CASES		30 DAYS			90 DAYS			180 DAYS			
		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	2249	8.4	7.9	0.6	12.4	12.2	0.8	15.7	15.5	0.8		
CONDITIONS:									.0.0	0.0		
Acute Myocardial Infarction	90	20.0	23.0	5.0	25.6	26.4	6.0	25.6	29.1	6.6		
Congestive Heart Failure	88	18.2	14.0	5.5	23.9	22.3	8.5	33.0	28.6	7.4		
Pneumonia/Influenza	134	14.2	14.6	3.2	19.4	20.0	5.5	23.9	23.7	5.9		
Chronic Obstructive Pulmonary Disease	32	9.4	8.7	*****	18.8	14.8		21.9	19.1			
Transient Cerebral Ischemia	29	3.4	2.1		3.4	4.7		3.4	7.7			
Stroke	89	21.3	19.2	6.5	29.2	26.0	5.5	34.8	30.0	5.9		
Hip Fracture	92	2.2	6.3	3.7	4.3	11.0	5.2	9.8	14.3	5.8		
Sepsis	21	28.6	25.9		33.3	33.2		38.1	37.9			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	11	9.1	3.0		18.2	5.9		27.3	8.6			
Carotid Endarterectomy	19	0.0	1.6		0.0	3.0		0.0	4.4	*		
Hip Replacement/Reconstruction	58	0.0	3.8	3.8	1.7	6.9	5.5	5.2	9.2	6.9		
Open Reduction of Hip Fracture	52	1.9	5.8	5.0	3.8	10.4	6.9	11.5	13.6	6.4		
Prostatectomy	86	1.2	0.9	1.1	2.3	2.2	1.6	3.5	3.8	2.1		
Cholecystectomy	50	4.0	3.1		6.0	5.5		10.0	7.1			
Hysterectomy	17	0.0	0.4	*	0.0	0.9		0.0	1.5			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MARGARET R PARDEE MEMORIAL HOSPITAL Medicare Provider Number: 340017

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.6 years	Cancer	7.1 %
Proportion female	54.9 %	Chronic cardiovascular disease	46.1 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	45.9 %	Chronic renal disease	1.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	16.3 %
Admitted for elective procedure		Cerebrovascular degeneration	5.0 %
Admitted for emergency	2.3 %	Diabetes mellitus	7.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:		MEDICARE AVERAGE LENGTH OF STAY:	
County/City	9.8% 7.0%	Hospital State National	9.4 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

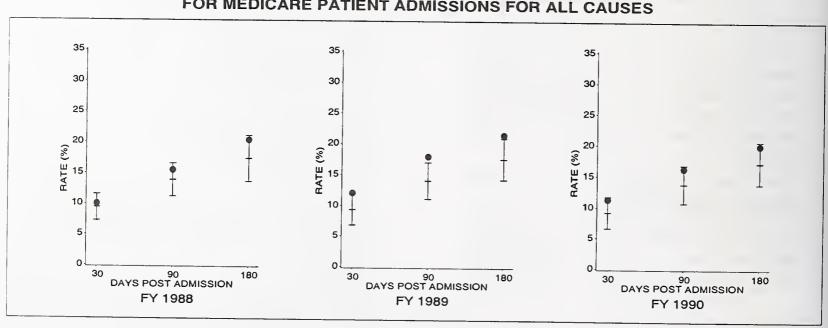
MARIA PARHAM HOSPITAL RUIN CREEK RD, DRAWER 59 HENDERSON, NC 27536 Medicare Provider Number: 340132

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

0.475.000.	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*		OBS	PRED	SD*
ALL CAUSES	934	11.2	9.1	1.3	16.2	13.7	1.5	•	19.9	17.1	1.7
CONDITIONS:									.0.0	17.1	1.7
Acute Myocardial Infarction	32	15.6	22.3		15.6	24.9			18.8	27.6	
Congestive Heart Failure	50	16.0	11.3		28.0	18.2			34.0	23.5	
Pneumonia/Influenza	50	20.0	14.0		26.0	19.5			28.0		
Chronic Obstructive Pulmonary Disease	11	18.2	6.4		27.3	11.8			27.3	16.1	
Transient Cerebral Ischemia	13	0.0	1.3		0.0	3.0			0.0	5.0	
Stroke	45	15.6	17.3		20.0	21.9			26.7	25.2	
Hip Fracture	39	5.1	5.9		5.1	10.9			15.4	14.3	
Sepsis	3	0.0	15.3		0.0	18.3			0.0	21.4	
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	11	0.0	3.0		9.1	5.4			9.1	7.7	
Carotid Endarterectomy	4	0.0	2.2		0.0	3.7	•		0.0	4.8	
Hip Replacement/Reconstruction	12	0.0	2.9		0.0	5.7			16.7	8.1	
Open Reduction of Hip Fracture	33	6.1	5.4		6.1	10.3			12.1	13.7	
Prostatectomy	38	0.0	1.1		2.6	2.6			2.6	4.3	
Cholecystectomy	41	0.0	2.6		2.4	4.8			4.9	6.3	
Hysterectomy	7	0.0	0.1		0.0	0.2			0.0	0.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MARIA PARHAM HOSPITAL Medicare Provider Number: 340132

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.0 years	Cancer	8.9 %
Proportion female	55.2 %	Chronic cardlovascular disease	37.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.6 %
Referred by personal or HMO physician	97.5 %	Chronic renal disease	3.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.9 %
Admitted for elective procedure		Cerebrovascular degeneration	3.0 %
Admitted for emergency		Diabetes mellitus	13.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	64.6%	Hospital	8.2 Days
State	32.8%	State	9.4 Days
Outside State	2.6%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 82	Burn Unit No
Occupancy Rate 75.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 35.2 %	Hospice Care No
Case Mix Index (CMI) 1.3414	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians46	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Mosiderits/internation	Alcohol/Drug No
riegistered ridisos	Rehabilitation No
Licensed Practical Nurses	Psychiatric No
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

MARTIN GENERAL HOSPITAL

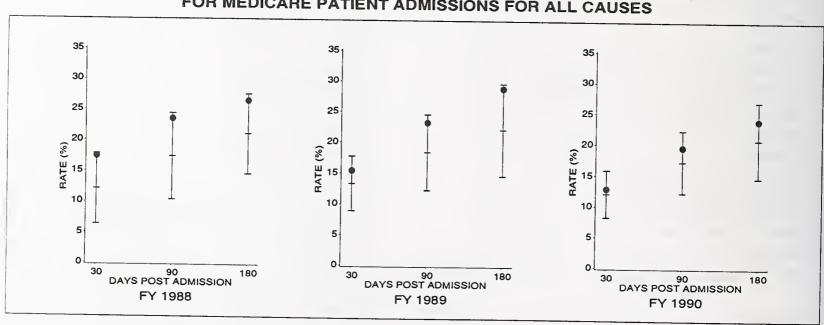
310 S MCCASKEY RD, BOX 1128 WILLIAMSTON, NC 27892 Medicare Provider Number: 340133

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY			30 DAYS			90 DAYS			0 DAYS	3	
CALEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	298	12.8	12.0	1.9	19.5	17.2	2.5	23.8	20.7	3.1	
CONDITIONS:						,,,_	2.0	20.0	20.7	3.1	
Acute Myocardial Infarction	18	22.2	28.5		22.2	30.7	•	27.8	33.2		
Congestive Heart Failure	28	21.4	11.0		28.6	17.6		28.6	22.7		
Pneumonia/Influenza	7	42.9	24.1		42.9	32.1		42.9	36.4		
Chronic Obstructive Pulmonary Disease	6	0.0	5.0		16.7	9.3		16.7	13.2		
Transient Cerebral Ischemla	1	100.0	0.9		100.0	2.3		100.0	4.2		
Stroke	30	23.3	20.9		36.7	26.5		43.3	29.9		
Hip Fracture	1	0.0	1.6		0.0	2.6		0.0	3.8		
Sepsis	8	0.0	22.4		12.5	29.2		25.0	33.6		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	7	0.0	1.4		0.0	3.2		0.0	4.0		
Hysterectomy	4	0.0	0.1		0.0	0.3		0.0	4.8 0.6		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MARTIN GENERAL HOSPITAL Medicare Provider Number: 340133

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.8 years	Cancer	4.7 %
Proportion female	58.1 %	Chronic cardiovascular disease	41.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	24.5 %	Chronic renal disease	3.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.8 %
Admitted for elective procedure		Cerebrovascular degeneration	4.0 %
Admitted for emergency		Diabetes mellitus	7.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	86.0%	Hospital	6.4 Days
State	12.0%	State	9.4 Days
Outside State	2.0%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Psychiatric

^{*} Not used in calculating mortality rates

MCPHERSON HOSPITAL

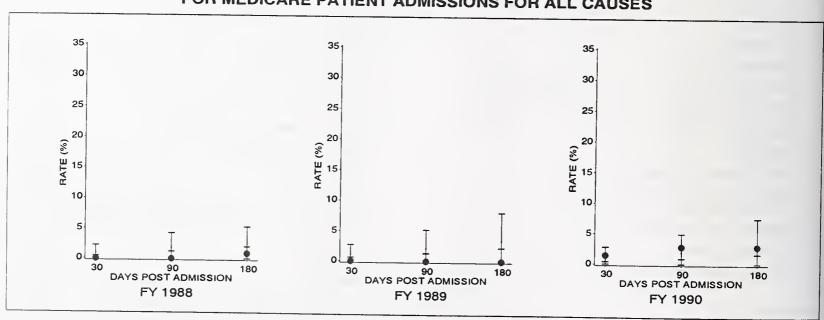
1110 W MAIN ST DURHAM, NC 27701 Medicare Provider Number: 340049

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATEGORY		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	72	1.4	0.4	1.2	2.8	0.9	2.0	2.8	1.6	2.9	
CONDITIONS:								2.0	1.0	£ 0	
Acute Myocardial Infarction	0										
Congestive Heart Failure	0										
Pneumonia/Influenza	0										
Chronic Obstructive Pulmonary Disease	0										
Transient Cerebral Ischemia	0										
Stroke	0										
Hip Fracture	0										
Sepsis	0										
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	0										
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MCPHERSON HOSPITAL

Medicare Provider Number: 340049

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:	
Average age at admission 73.4 years	Cancer	0.0 %
Proportion female 58.3 %	Chronic cardiovascular disease	2.8 %
ADMISSION SOURCES/TYPES:	Chronic liver disease	0.0 %
Referred by personal or HMO physician 100.0 %	Chronic renal disease	1.4 %
Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease	1.4 %
Admitted for elective procedure 75.0 %	Cerebrovascular degeneration	0.0 %
Admitted for emergency 9.7 %	Diabetes mellitus	5.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	!:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	19.8%	Hospital	1.6 Days
State	66.2%	State	9.4 Days
Outside State	14.0%	National	8.6 Days
Total	100.0%		

SOURCE: Health Care Financing Administration (OSCAR)** -	Survey Year 1991
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Ownership/Control Private, For Profit	Coronary Care Unit No
Case Mix Index (CMI) 0.6489	Hospice Care No
STAFFING:	Intensive Care Unit No
Medical Residents/Interns2	Organ Transplant Yes
Registered Nurses	Trauma Center No
Licensed Practical Nurses 11	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugNo
	RehabilitationNo
	Psychiatric No
	Medicare Swing Beds No
** Except for CMI	

^{*} Not used in calculating mortality rates

MEDICAL PARK HOSPITAL

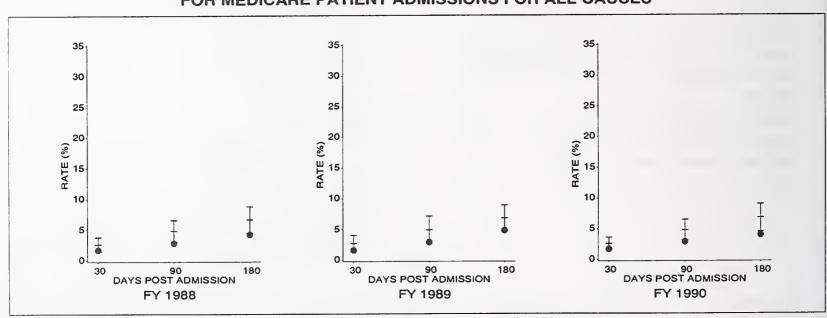
1950 S HAWTHORNE RD WINSTON-SALEM, NC 27103 Medicare Provider Number: 340148

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	PRTALIT	YRATE	S (%)			
	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1190	1.7	2.6	0.5	2.9	4.8	8.0	4.0	6.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	0.0	11.5		0.0	18.2	••••	100.0	24.1	
Pneumonia/Influenza	6	0.0	9.3		0.0	13.0		0.0	15.4	
Chronic Obstructive Pulmonary Disease	5	40.0	4.8		40.0	9.2		40.0	12.9	
Transient Cerebral Ischemia	2	0.0	4.8		0.0	13.0		50.0	22.5	
Stroke	0									
Hip Fracture	3	0.0	10.0		0.0	18.6		0.0	24.1	
Sepsis	1	0.0	6.2		0.0	8.1		0.0	9.6	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	2.9	1.3		2.9	2.4		2.9	3.2	
Open Reduction of Hip Fracture	0									
Prostatectomy	295	0.7	0.7	0.5	1.0	1.7	1.0	2.0	2.9	1.
Cholecystectomy	101	0.0	1.0		0.0	1.9		0.0	2.7	
Hysterectomy	56	0.0	0.2	0.7	0.0	0.5	1.1	0.0	8.0	1.

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MEDICAL PARK HOSPITAL

Medicare Provider Number: 340148

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	71.8 years	Cancer	10.7 %
Proportion female	48.2 %	Chronic cardlovascular disease	30.2 %
ADMISSION SOURCES/TYPES:		Chronic Ilver disease	0.8 %
Referred by personal or HMO physician	97.9 %	Chronic renal disease	0.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.2 %
Admitted for elective procedure		Cerebrovascular degeneration	0.8 %
Admitted for emergency		Diabetes mellitus	4.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	l :	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	59.0%	Hospital	5.9 Days
State	38.0%	State	9.4 Days
Outside State	3.0%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

MEMORIAL MISSION MEDICAL CENTER

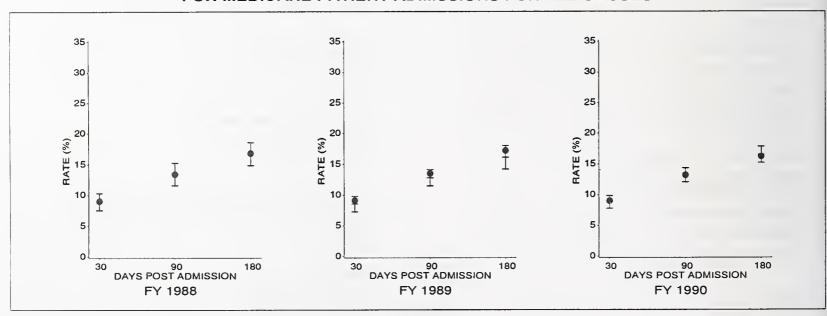
509 BILTMORE AVE ASHEVILLE, NC 28801 Medicare Provider Number: 340002

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	MORTALITY RATES (%)							
		3	0 DAY	S	90 DAYS			180 DAYS				
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	3530	9.0	8.8	0.5	13.2	13.2	0.6	16.2	16.5	0.7		
CONDITIONS:												
Acute Myocardial Infarction	138	21.0	21.6	4.1	26.1	24.8	4.2	27.5	27.4	4.2		
Congestive Heart Failure	142	17.6	14.2	5.2	30.3	22.7	8.0	35.9	28.6	8.5		
Pneumonia/Influenza	103	24.3	14.3	5.2	28.2	19.7	5.0	29.1	23.4	5.2		
Chronic Obstructive Pulmonary Disease	29	3.4	7.8		13.8	13.3		17.2	17.6			
Transient Cerebral Ischemia	45	0.0	1.6		6.7	3.5		11.1	5.8			
Stroke	116	21.6	22.3	4.8	25.9	28.2	4.9	29.3	31.9	5.1		
Hip Fracture	103	2.9	6.7	4.5	8.7	12.0	5.3	13.6	15.6	4.9		
Sepsis	25	40.0	24.6		48.0	31.2		52.0	35.1			
PROCEDURES:												
Angioplasty	55	1.8	1.9	3.0	3.6	2.8	2.9	3.6	3.7	3.4		
Coronary Artery Bypass Graft	167	3.0	5.5	2.1	3.6	7.9	2.8	3.6	8.9	3.2		
Initial Pacemaker Insertion	40	0.0	2.7		2.5	5.5		2.5	8.2			
Carotid Endarterectomy	61	3.3	1.8	2.2	3.3	3.2	2.6	4.9	4.6	3.2		
Hip Replacement/Reconstruction	92	2.2	3.5	2.9	5.4	6.1	3.9	5.4	8.1	3.7		
Open Reduction of Hip Fracture	38	2.6	7.1		10.5	13.1		18.4	17.3			
Prostatectomy	37	5.4	1.1		8.1	2.7		8.1	4.5			
Cholecystectomy	82	2.4	3.0	2.9	3.7	5.6	4.5	3.7	7.4	5.7		
Hysterectomy	44	0.0	0.5	****	0.0	1.1		0.0	1.9			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MEMORIAL MISSION MEDICAL CENTER

Medicare Provider Number: 340002

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission		Citiotile cardiovascular disease	8.6 % 41.4 % 1.0 %
ADMISSION SOURCES/TYPES: Referred by personal or HMO physician 5 Transferred from skilled nursing facility Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	4.4 % 13.6 % 4.9 %
Admitted for emergency	53.9 %	Diabetes mellitus	5.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City 48.7%	Hospital	8.7 Days
State	State	9.4 Days
Outside State	National	8.6 Days
Total 100.0%		

SOURCE: AHA Annual Survey of H	ospitals** - Survey Year 1	990
PROFILE:		SPECIALTY SERVICES:
Total Beds	353	Burn Unit No
Occupancy Rate	74.0 %	Cardiac Intensive CareYes
Ownership.Control F		Comprehensive Geriatric No
Medicare Discharges		Hospice Care No
Case Mix Index (CMI)	1.7474	Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	325	Other Intensive Care No
Percent of Physicians Board Certified Specialists		Trauma Center No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	0	Alcohol/Drug No
Registered Nurses	542	RehabilitationNo
Licensed Practical Nurses	118	Psychiatric No
** Except for CMI		Medicare Swing Beds No

^{*} Not used in calculating mortality rates

MERCY HOSPITAL INC

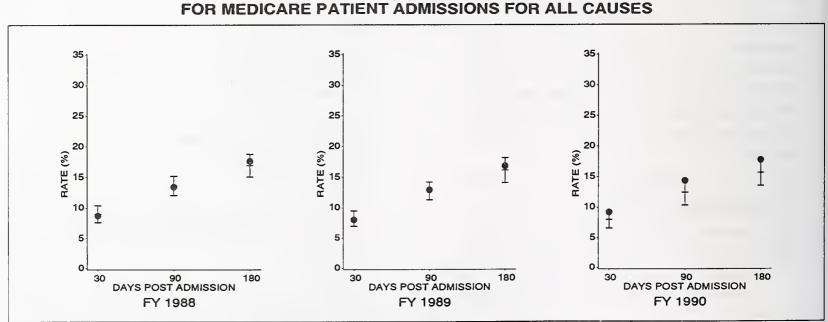
2001 VAIL AVE CHARLOTTE, NC 28207 Medicare Provider Number: 340098

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	ORTALITY RATES (%)							
			0 DAY	S	9	0 DAYS	3	180	0 DAYS	;		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	2395	9.2	8.0	0.7	14.3	12.4	1.1	17.7	15.6	1.1		
CONDITIONS:												
Acute Myocardial Infarction	108	24.1	20.9	4.5	24.1	24.0	5.0	28.7	26.5	5.3		
Congestive Heart Failure	147	12.9	12.0	3.2	16.3	19.5	5.1	21.8	25.4	6.2		
Pneumonia/Influenza	117	10.3	12.3	3.4	16.2	17.0	3.6	20.5	20.5	3.7		
Chronic Obstructive Pulmonary Disease	26	3.8	5.9		11.5	11.1		19.2	15.5			
Transient Cerebral Ischemla	17	5.9	1.3		5.9	2.9		5.9	5.0			
Stroke	89	21.3	16.4	5.0	28.1	22.6	5.6	33.7	26.1	6.8		
Hip Fracture	41	4.9	5.6		7.3	10.0		12.2	13.4			
Sepsis	49	18.4	19.5		24.5	27.2		30.6	31.9			
PROCEDURES:												
Angioplasty	87	2.3	2.9	2.1	2.3	3.7	2.4	2.3	4.5	2.9		
Coronary Artery Bypass Graft	75	10.7	4.2	3.6	12.0	6.0	3.7	14.7	6.8	4.4		
Initial Pacemaker Insertion	58	3.4	2.5	2.8	3.4	4.9	3.4	5.2	7.2	4.1		
Carotid Endarterectomy	13	0.0	1.4		0.0	2.5		0.0	3.4			
Hip Replacement/Reconstruction	18	5.6	4.7		5.6	9.0		16.7	12.3			
Open Reduction of Hip Fracture	18	5.6	5.3		5.6	9.7		5.6	13.2			
Prostatectomy	77	2.6	1.4	1.8	3.9	3.4	2.2	3.9	5.6	3.2		
Cholecystectomy	39	2.6	1.7		5.1	3.2		7.7	4.3			
Hysterectomy	21	0.0	0.5		0.0	1.1		0.0	1.9			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (*2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MERCY HOSPITAL INC Medicare Provider Number: 340098

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:
Average age at admission 73.0 yea	rs Cancer 7.0 %
Proportion female 56.5 %	Chronic cardiovascular disease 41.4 %
DMISSION SOURCES/TYPES:	Chronic liver disease 1.0 %
	Chronic renal disease4.4 %
Referred by personal or HMO physician 72.3 % Transferred from skilled pursing facility 0.6 %	Chronic pulmonary disease 15.7 %
Transferred from skilled flatering facility films	Cerebrovascular degeneration
Admitted for elective procedure 45.7 %	Diabetes mellitus
Admitted for emergency 6.0 %	Diabetes meintus

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City	MEDICARE AVERAGE LENGTH OF STAY: Hospital State National	9.4 Days
Outside State	National	8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990 PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Percent of Physicians Board Certified Specialists 82.5 % Medical Residents/Interns 0 Registered Nurses 289 Licensed Practical Nurses 49	Trauma Center
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

MONTGOMERY MEMORIAL HOSPITAL

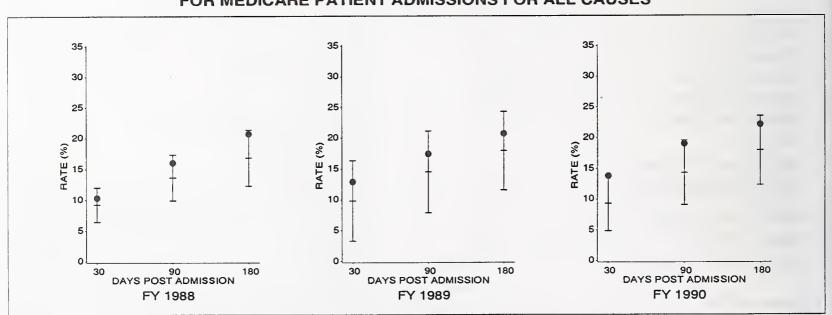
520 ALLEN ST TROY, NC 27371 Medicare Provider Number: 340063

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	385	13.8	9.3	2.2	19.0	14.3	2.6	22.1	17.9	2.8
CONDITIONS:										
Acute Myocardial Infarction	11	54.5	33.0		54.5	36.2		63.6	38.9	•••••
Congestive Heart Failure	18	11.1	13.1	••	16.7	20.5		22.2	26.3	
Pneumonia/Influenza	28	21.4	16.6		28.6	22.9		32.1	27.1	
Chronic Obstructive Pulmonary Disease	6	16.7	6.5		16.7	12.0		33.3	16.6	****
Transient Cerebral Ischemia	4	0.0	3.7		25.0	8.7		25.0	14.1	
Stroke	5	0.0	17.3		20.0	22.3		20.0	25.7	
Hip Fracture	16	0.0	4.5		0.0	8.2		0.0	11.1	••••
Sepsis	4	50.0	31.2		75.0	38.1		75.0	41.9	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	2.8		0.0	5.6		0.0	7.9	
Open Reduction of Hip Fracture	8	0.0	5.3		0.0	10.0	*****	0.0	13.6	
Prostatectomy	11	0.0	0.8		18.2	2.0		18.2	3.6	
Cholecystectomy	7	0.0	2.9		0.0	4.8		0.0	6.2	
Hysterectomy	1	0.0	0.5	••••	0.0	1.0		0.0	1.7	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MONTGOMERY MEMORIAL HOSPITAL

Medicare Provider Number: 340063

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission Proportion female ADMISSION SOURCES/TYPES: Referred by personal or HMO physician Transferred from skilled nursing facility Admitted for elective procedure Admitted for emergency	57.9 % 74.8 % 0.3 % 0.0 %	Cancer	11.9 % 4.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	86.1% 13.2%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	7.2 Days 9.4 Days 8.6 Days
Outside State		National	0.0 Day3

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	

^{*} Not used in calculating mortality rates

MOORE REGIONAL HOSPITAL INC

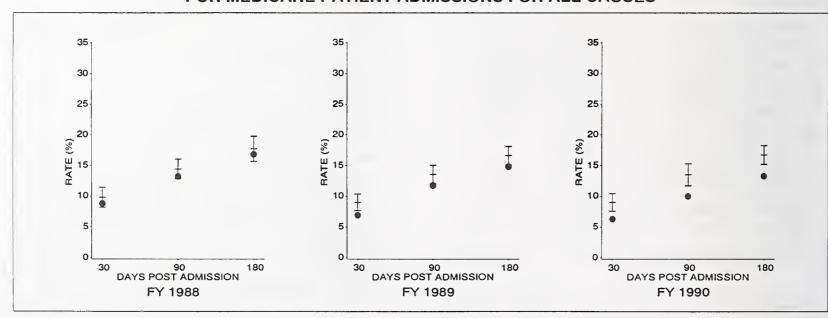
PAGE RD, BOX 300 PINEHURST, NC 28374 Medicare Provider Number: 340115

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	YRATE	S (%)							
		-;	30 DAY	S	9	0 DAYS	3	18	180 DAYS					
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*				
ALL CAUSES	3505	6.3	9.0	0.7	10.0	13.5	0.9	13.3	16.7	0.8				
CONDITIONS:														
Acute Myocardial Infarction	77	23.4	25.8	5.6	26.0	28.5	5.6	31.2	31.1	5.9				
Congestive Heart Failure	135	11.9	14.6	3.7	15.6	22.9	6.1	24.4	28.9	5.0				
Pneumonia/Influenza	150	11.3	16.6	4.9	22.7	22.7	3.4	27.3	26.7	3.6				
Chronic Obstructive Pulmonary Disease	19	0.0	7.0		0.0	12.2		0.0	16.3					
Transient Cerebral Ischemia	53	0.0	1.7	2.4	1.9	3.9	3.1	1.9	6.4	5.2				
Stroke	297	11.4	18.0	2.9	15.5	25.0	3.7	18.9	28.9	3.9				
Hip Fracture	93	8.6	6.5	3.3	9.7	11.1	3.5	14.0	14.3	3.7				
Sepsis	43	18.6	28.3		18.6	35.2		25.6	39.5					
PROCEDURES:														
Angioplasty	0													
Coronary Artery Bypass Graft	2	0.0	1.0		0.0	1.6		0.0	2.2					
Initial Pacemaker Insertion	20	0.0	1.5		0.0	3.3		5.0	5.2					
Carotid Endarterectomy	19	0.0	1.3		0.0	2.3		0.0	3.3					
Hip Replacement/Reconstruction	92	4.3	2.5	2.2	5.4	4.8	2.4	6.5	6.6	2.6				
Open Reduction of Hip Fracture	44	9.1	6.1		9.1	10.8		15.9	14.0					
Prostatectomy	194	0.5	1.1	1.1	1.0	2.5	2.5	3.6	4.2	2.8				
Cholecystectomy	101	1.0	3.9	3.1	5.0	6.9	3.1	7.9	9.1	3.0				
Hysterectomy	40	0.0	0.2		0.0	0.5		0.0	0.8					

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MOORE REGIONAL HOSPITAL INC

Medicare Provider Number: 340115

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.0 years	Cancer	9.0 %
Proportion female		Chronic cardiovascular disease	33.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.4 %
Referred by personal or HMO physician	41.6 %	Chronic renal disease	2.5 %
		Chronic pulmonary disease	14.3 %
Transferred from skilled nursing facility		Cerebrovascular degeneration	3.9 %
Admitted for elective procedure		Diabetes mellitus	6.5 %
Admitted for emergency	00.0 %		

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City	State	9.7 Days 9.4 Days 8.6 Days
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SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Middle Swing Bods

^{*} Not used in calculating mortality rates

MOREHEAD MEMORIAL HOSPITAL

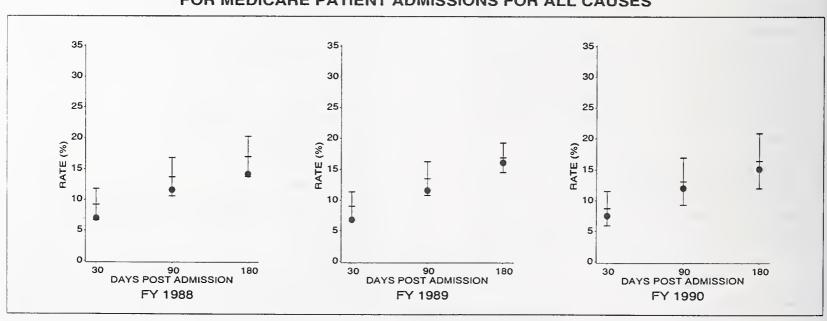
117 E KINGS HIGHWAY EDEN, NC 27288 Medicare Provider Number: 340060

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	ORTALITY RATES (%)							
			30 DAY	S	9	0 DAYS	3	18	180 DAYS			
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	1095	7.5	8.7	1.4	12.0	13.1	1.9	15.1	16.4	2.2		
CONDITIONS:												
Acute Myocardial Infarction	45	28.9	26.3		28.9	29.6		31.1	32.7			
Congestive Heart Failure	47	10.6	14.1		21.3	22.6		31.9	28.9			
Pneumonia/Influenza	43	9.3	13.4		14.0	18.2	••••	16.3	21.6			
Chronic Obstructive Pulmonary Disease	45	6.7	6.1		11.1	10.8	*****	11.1	14.5			
Transient Cerebral Ischemia	21	0.0	1.5		0.0	3.6		4.8	6.0			
Stroke	56	17.9	22.2	6.8	25.0	29.2	7.2	30.4	33.3	6.7		
Hip Fracture	28	3.6	4.7		17.9	8.4		21.4	11.0			
Sepsis	14	14.3	18.7		21.4	25.1		28.6	29.3			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	4	25.0	6.7		25.0	10.7		25.0	13.5			
Carotid Endarterectomy	0											
Hip Replacement/Reconstruction	15	0.0	3.2		6.7	6.3		13.3	8.7			
Open Reduction of Hip Fracture	12	8.3	4.5		25.0	8.1		25.0	11.0			
Prostatectomy	43	0.0	1.3		0.0	2.9		2.3	4.8			
Cholecystectomy	27	0.0	3.2		0.0	6.1		3.7	8.4			
Hysterectomy	4	0.0	0.7		0.0	1.5		0.0	2.4			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MOREHEAD MEMORIAL HOSPITAL Medicare Provider Number: 340060

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:
Average age at admission	74.0 years	Cancer 5.6 %
Proportion female		Chronic cardiovascular disease 34.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease 1.1 %
Referred by personal or HMO physician		Chronic renal disease
Transferred from skilled nursing facility	0.4 %	Cerebrovascular degeneration 4.7 %
Admitted for elective procedure	0.3 %	Diabetes mellitus 12.2 %
Admitted for emergency	53.3 %	Diabetes mellitus

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City 85.9% State 3.3% Outside State 10.8% Total 100.0%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	8.4 Days 9.4 Days 8.6 Days
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SPOCII E	SPECIALTY SERVICES:
Total Beds	Burn Unit

^{*} Not used in calculating mortality rates

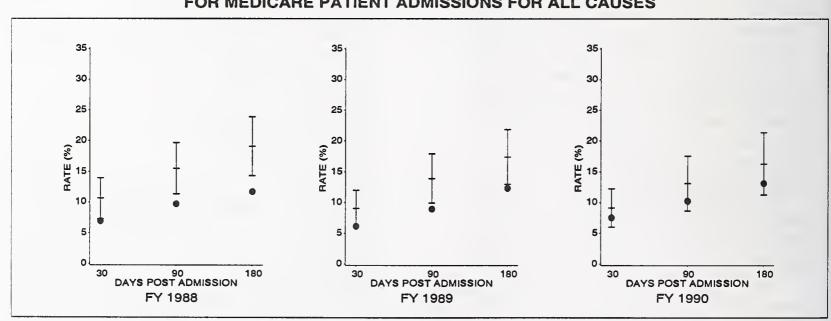
MURPHY MEDICAL CENTER 2002 US HIGHWAY 64 EAST MURPHY, NC 28906 Medicare Provider Number: 340160

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

			MORTALITY RATES (%)								
			30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	557	7.5	9.1	1.6	10.2	13.1	2.2	13.1	16.3	2.5	
CONDITIONS:											
Acute Myocardial Infarction	30	30.0	28.8		33.3	31.9		33.3	34.8		
Congestive Heart Failure	24	12.5	13.5		12.5	21.2		20.8	27.4		
Pneumonia/Influenza	32	15.6	14.6		21.9	20.4		25.0	24.3		
Chronic Obstructive Pulmonary Disease	18	0.0	5.0		0.0	9.3		0.0	13.1		
Transient Cerebral Ischemla	12	0.0	2.0		0.0	5.1		0.0	8.9		
Stroke	24	20.8	19.1		25.0	23.9		29.2	27.5		
Hip Fracture	0										
Sepsis	7	28.6	19.7		28.6	24.8		28.6	29.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	64	0.0	1.0	1.4	0.0	2.3	2.3	0.0	3.9	3.3	
Cholecystectomy	11	0.0	2.2		0.0	4.0		0.0	5.3		
Hysterectomy	7	0.0	0.1		0.0	0.3		0.0	0.5		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



MURPHY MEDICAL CENTER

Medicare Provider Number: 340160

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 74.9 years	Cancer 5.2 %
Proportion female	Chronic cardiovascular disease 37.5 %
DMISSION SOURCES/TYPES:	Chronic liver disease 0.9 %
Referred by personal or HMO physician 41.8 %	Chronic renal disease 1.1 %
	Chronic pulmonary disease 16.2 %
Transferred from skilled flatoring facility inter-	Cerebrovascular degeneration 5.4 %
Admitted for elective procedure	Diabetes mellitus 10.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

State 28.6% State	E AVERAGE LENGTH OF STAY:
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SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: No Cardiac Intensive Care No Comprehensive Geriatric No Hospice Care No Medical/Surgical Intensive Care Yes Organ/Tissue Transplant No Other Intensive Care No Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug No Rehabilitation No Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

NASH GENERAL HOSPITAL

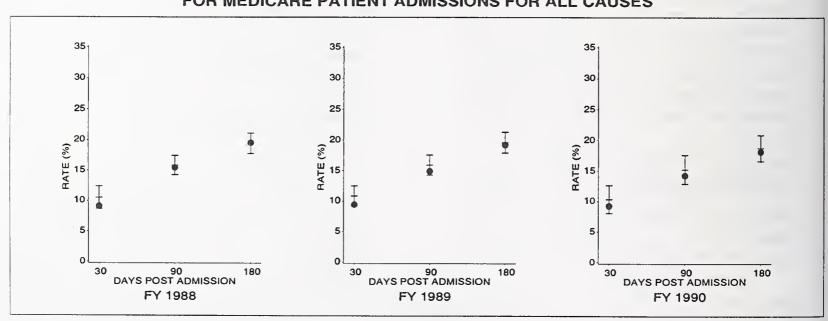
2400 CURTIS ELLIS DR ROCKY MOUNT, NC 27804 Medicare Provider Number: 340147

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	RATE	S (%)				
		3	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2469	9.2	10.3	1.1	14.2	15.2	1.2	18.1	18.7	1.1	
CONDITIONS:											
Acute Myocardial Infarction	104	24.0	25.0	5.5	26.9	27.8	6.1	27.9	30.4	5.9	
Congestive Heart Failure	167	12.6	15.0	3.0	18.0	23.8	4.0	23.4	30.1	4.8	
Pneumonia/Influenza	93	16.1	16.3	4.0	24.7	22.3	5.2	29.0	26.1	5.0	
Chronic Obstructive Pulmonary Disease	40	10.0	6.9		17.5	12.2		20.0	16.7		
Transient Cerebral Ischemia	51	0.0	1.7	2.6	0.0	3.8	4.7	3.9	5.9	4.0	
Stroke	110	12.7	21.5	6.8	20.9	27.6	6.5	- 26.4	31.3	6.6	
Hip Fracture	59	6.8	6.9	3.4	11.9	12.0	4.2	18.6	15.3	5.6	
Sepsis	42	14.3	27.1		19.0	35.5	•	28.6	40.2		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	21	4.8	4.7		14.3	9.5		14.3	13.4		
Carotid Endarterectomy	11	0.0	1.8		0.0	3.3		0.0	4.7		
Hip Replacement/Reconstruction	40	7.5	4.0		10.0	7.1		12.5	9.3		
Open Reduction of Hip Fracture	12	0.0	4.7		0.0	8.6		0.0	11.4		
Prostatectomy	59	0.0	1.4	2.0	1.7	3.3	2.7	3.4	5.5	3.6	
Cholecystectomy	39	5.1	2.6		5.1	4.4	••••	7.7	5.4		
Hysterectomy	37	0.0	0.2		0.0	0.4		0.0	0.6		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



NASH GENERAL HOSPITAL

Medicare Provider Number: 340147

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.4 years	Cancer	6.8 %
		Chronic cardiovascular disease	37.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	15.1 %	Chronic renal disease	6.4 %
		Chronic pulmonary disease	22.1 %
Transferred from skilled nursing facility		Cerebrovascular degeneration	
Admitted for elective procedure		Diabetes mellitus	
Admitted for emergency	82.9 %		

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	37.2% 60.9%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	9.4 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Modical Committee of the committee of th

^{*} Not used in calculating mortality rates

NEW HANOVER MEMORIAL HOSPITAL

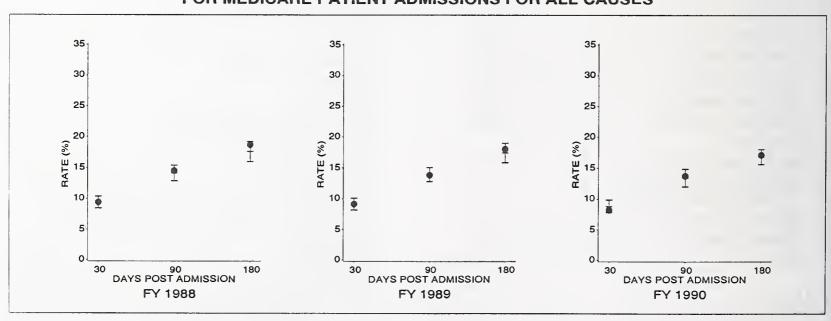
2131 S 17TH ST, BOX 9000 WILMINGTON, NC 28402 Medicare Provider Number: 340141

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

	NUMBER OF CASES		30 DAY	S	9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	3957	8.2	8.8	0.5	13.7	13.4	0.7	17.1	16.8	0.6	
CONDITIONS:											
Acute Myocardial Infarction	114	27.2	28.6	4.6	32.5	31.4	4.6	36.8	34.0	5.0	
Congestive Heart Failure	183	13.7	13.5	2.8	23.0	21.5	5.0	28.4	27.5	4.2	
Pneumonia/Influenza	135	10.4	14.9	4.2	21.5	20.2	3.6	24.4	23.8	3.8	
Chronic Obstructive Pulmonary Disease	65	6.2	5.7	3.1	12.3	10.4	4.4	18.5	14.2	6.8	
Transient Cerebral Ischemia	60	1.7	1.5	1.8	5.0	3.5	3.0	5.0	5.6	3.3	
Stroke	145	20.7	19.0	3.6	25.5	24.9	3.9	27.6	28.6	3.8	
Hip Fracture	83	3.6	6.0	3.4	10.8	10.6	3.8	13.3	13.8	3.8	
Sepsis	50	30.0	28.4		36.0	36.1		42.0	40.9		
PROCEDURES:											
Angioplasty	46	0.0	3.3		0.0	4.2		0.0	5.0		
Coronary Artery Bypass Graft	92	0.0	4.2	3.0	2.2	5.9	3.2	3.3	6.6	3.1	
Initial Pacemaker Insertion	42	2.4	3.4		7.1	6.6		9.5	9.5		
Carotid Endarterectomy	34	0.0	1.3		0.0	2.4		2.9	3.5		
Hip Replacement/Reconstruction	64	4.7	3.9	2.7	10.9	7.6	5.7	10.9	10.4	5.2	
Open Reduction of Hip Fracture	23	0.0	5.6		8.7	10.1		8.7	13.3		
Prostatectomy	136	1.5	0.9	0.9	5.9	2.1	3.3	6.6	3.5	2.9	
Cholecystectomy	66	0.0	2.1	2.7	1.5	3.7	3.1	3.0	4.8	3.1	
Hysterectomy	42	0.0	0.4		0.0	0.9		0.0	1.5		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



NEW HANOVER MEMORIAL HOSPITAL Medicare Provider Number: 340141

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission	Chronic cardiovascular disease	9.1 % 9.7 % 1.1 % 7.3 % 44.2 % 2.7 % 7.2 %
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ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

RIGIN OF MEDICARE PATIENT ADMISSION County/City State Outside State	57.8% 40.1%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	10.0 Days 9.4 Days 8.6 Days
Totai	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE: Total Beds	Burn Unit
** Except for CMi	

^{*} Not used in calculating mortality rates

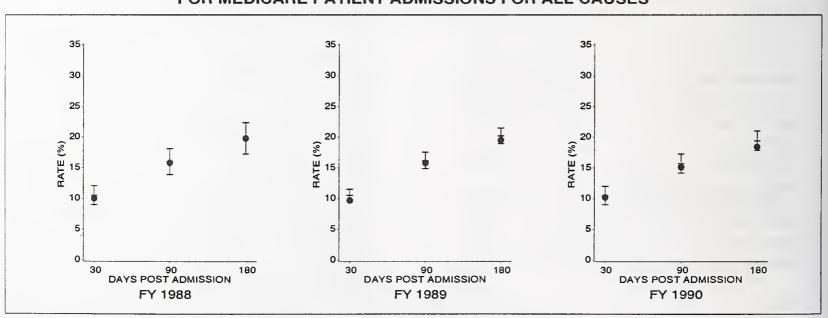
NORTH CAROLINA BAPTIST HOSPITALS
300 S HAWTHORNE RD
WINSTON-SALEM, NC 27103
Medicare Provider Number: 340047

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
		3	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	4385	10.2	10.5	0.8	15.1	15.7	0.8	18.4	19.4	0.8	
CONDITIONS:											
Acute Myocardial Infarction	195	16.9	24.2	4.8	20.0	27.4	5.2	22.6	30.1	5.4	
Congestive Heart Failure	135	19.3	14.3	5.2	24.4	23.2	6.0	32.6	29.4	4.	
Pneumonia/Influenza	70	22.9	16.6	8.7	25.7	22.1	6.4	32.9	25.8	8.	
Chronic Obstructive Pulmonary Disease	29	17.2	10.2		27.6	16.8		27.6	21.8		
Transient Cerebral Ischemia	29	3.4	1.9		3.4	4.1		6.9	6.3		
Stroke	118	19.5	23.5	5.8	25.4	29.5	5.9	28.8	33.0	5.	
Hip Fracture	51	5.9	6.7	5.4	9.8	11.7	5.5	15.7	15.0	5.	
Sepsis	82	46.3	30.3	7.2	58.5	39.0	8.3	61.0	44.0	7.	
PROCEDURES:											
Angioplasty	93	0.0	4.3	4.7	0.0	5.6	5.8	2.2	6.8	4.	
Coronary Artery Bypass Graft	200	5.5	7.0	3.7	7.5	10.2	4.4	9.5	11.5	4.	
Initial Pacemaker Insertion	37	0.0	2.9		2.7	5.6		2.7	8.0		
Carotid Endarterectomy	29	0.0	1.9		0.0	3.5		0.0	5.1		
Hip Replacement/Reconstruction	60	5.0	4.3	3.7	6.7	7.8	4.0	10.0	10.3	4.	
Open Reduction of Hip Fracture	20	10.0	5.5		15.0	10.0		20.0	13.1		
Prostatectomy	56	0.0	1.0	2.3	3.6	2.2	2.4	5.4	3.6	2.	
Cholecystectomy	40	5.0	5.6		12.5	10.0		15.0	13.0		
Hysterectomy	40	2.5	2.9		7.5	6.2		7.5	9.2		

^{*} The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



NORTH CAROLINA BAPTIST HOSPITALS Medicare Provider Number: 340047

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Chronic cardiovascular disease	10.6 % 46.0 %
Chionic cardiovascular diocaccimini	46.0 %
Chronic liver disease	0.8 %
Chronic renal disease	4.7 %
Chronic pulmonary disease	14.2 %
Cerebrovascular degeneration	3.2 %
Diabetes mellitus	9.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	24.7% 60.4% 14.9%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	_
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE:	SPECIALTY SERVICES:
Total Beds 731	Burn Unit Yes
Occupancy Rate 81.0 %	Cardiac Intensive CareYes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 32.2 %	Hospice Care No
Case Mix Index (CMI) 1.7384	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant Yes
Total Number of Physicians 350	Other Intensive Care No
	Trauma Center Yes
Percent of Physicians Board Certified Specialists	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 398	Alcohol/Drug No
Registered Nurses 918	RehabilitationYes
Licensed Practical Nurses 236	Psychiatric Yes
	Medicare Swing Beds No
** Except for CMI	modical coming and a second control of the s

^{*} Not used in calculating mortality rates

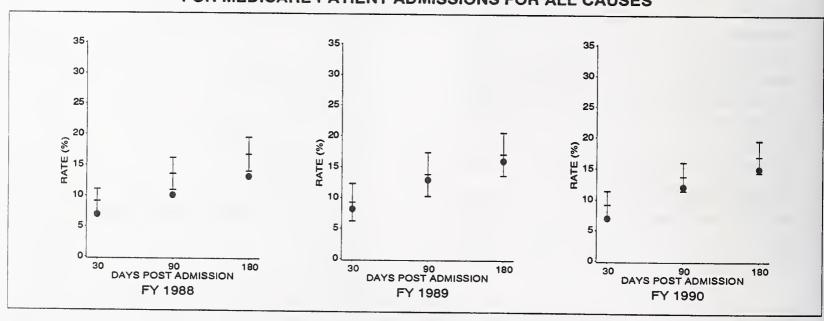
NORTHERN HOSPITAL OF SURRY COUNTY 830 ROCKFORD ST MOUNT AIRY, NC 27030 Medicare Provider Number: 340003

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	DRTALIT	YRATE	S (%)	_		
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1312	6.9	9.1	1.1	12.0	13.7	1.2	14.9	16.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	21.6	25.2		27.0	28.6		27.0	31.2	
Congestive Heart Failure	87	11.5	15.0	4.3	28.7	23.8	5.4	35.6	30.1	7.8
Pneumonia/Influenza	60	13.3	20.3	6.4	25.0	27.6	6.2	31.7	31.7	6.1
Chronic Obstructive Pulmonary Disease	8	12.5	5.5		12.5	9.8		12.5	13.7	
Transient Cerebral Ischemia	33	0.0	2.0		3.0	4.5		6.1	7.3	
Stroke	57	14.0	18.0	5.9	28.1	26.3	6.2	31.6	30.7	7.8
Hip Fracture	44	4.5	6.3		6.8	10.8		9.1	13.9	
Sepsis	24	12.5	27.5		16.7	34.0		20.8	38.5	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.8		25.0	7.5		25.0	11.2	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	4.0	5.1		8.0	9.1		12.0	11.8	*****
Open Reduction of Hip Fracture	23	4.3	5.2		4.3	9.1		4.3	11.9	
Prostatectomy	45	0.0	1.0		0.0	2.2		0.0	3.7	
Cholecystectomy	43	2.3	2.1		4.7	3.5	•	4.7	4.4	
Hysterectomy	12	0.0	0.2		0.0	0.4		0.0	0.8	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



NORTHERN HOSPITAL OF SURRY COUNTY

Medicare Provider Number: 340003

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission 74	.7 years	Cancer	4.8 %
Proportion female 57		Chronic cardiovascular disease	44.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.8 %
	5 94	Chronic renal disease	2.6 %
Referred by personal or HMO physician 33		Chronic pulmonary disease	22.0 %
Transierred from skilled training facility	0.1 %	Cerebrovascular degeneration	
Admitted for elective procedure 12		Diabetes mellitus	
Admitted for emergency 65	5.5 %	Diabetes melitus	

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

	ORIGIN OF MEDICARE PATIENT ADMISSION County/City	84.1% 4.3%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	6.7 Days 9.4 Days 8.6 Days
10101	Outside State		National	

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

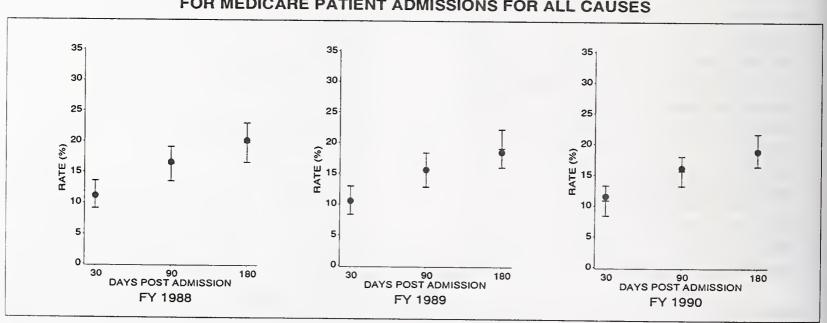
ONSLOW MEMORIAL HOSPITAL
317 WESTERN BOULEVARD
JACKSONVILLE, NC 28540
Medicare Provider Number: 340042

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
CATECORY		30 DAYS			90 DAYS			18	180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD	
ALL CAUSES	954	11.5	10.8	1.2	16.1	15.6	1.2	18.8	19.0	1.3	
CONDITIONS:											
Acute Myocardial Infarction	34	35.3	30.5		41.2	33.2		44.1	35.7		
Congestive Heart Failure	66	15.2	13.6	4.4	22.7	21.0	5.4	25.8	26.7	6.5	
Pneumonia/Influenza	73	15.1	13.9	4.3	17.8	19.1	4.8	24.7	22.6	5.:	
Chronic Obstructive Pulmonary Disease	3	0.0	21.8		0.0	31.0		0.0	37.9		
Transient Cerebral Ischemia	10	0.0	1.4		0.0	3.0		20.0	4.8		
Stroke	43	25.6	23.5		27.9	29.0		32.6	32.4		
Hip Fracture	29	13.8	6.6		20.7	11.0		20.7	13.8		
Sepsis	13	30.8	30.1		38.5	38.2		38.5	42.9		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	9	11.1	6.8		11.1	12.2		11.1	16.5		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	13	15.4	3.9		15.4	6.9		15.4	8.9		
Open Reduction of Hip Fracture	18	11.1	6.6		22.2	11.1		22.2	14.1		
Prostatectomy	31	3.2	1.5		3.2	3.3		3.2	5.3		
Cholecystectomy	18	0.0	4.1		5.6	7.4		5.6	9.4		
Hysterectomy	2	0.0	0.0		0.0	0.1		0.0	0.1		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ONSLOW MEMORIAL HOSPITAL

Medicare Provider Number: 340042

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.0 years	Cancer	6.3 %
Proportion female	58.3 %	Chronic cardiovascular disease	45.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	36.8 %	Chronic renal disease	2.0 %
Transferred from skilled nursing facility		Chronic pulmonary disease	18.4 %
Admitted for elective procedure		Cerebrovascular degeneration	4.7 %
Admitted for emergency		Diabetes mellitus	9.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	81.5%	Hospital	9.5 Days
State	14.5%	State	9.4 Days
Outside State	4.0%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
** Except for CMI	Psychiatric

^{*} Not used in calculating mortality rates

ORTHOPAEDIC HOSPITAL OF CHARLOTTE

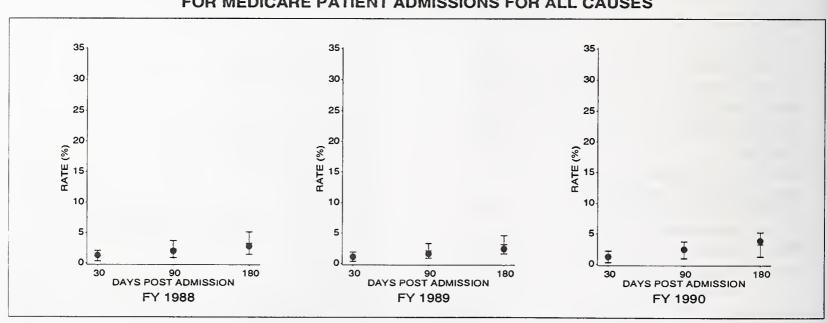
1901 RANDOLPH RD CHARLOTTE, NC 28207 Medicare Provider Number: 340153

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				МС	DRTALIT	YRATE	S (%)			
		30 DAYS		S	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	656	1.2	1.2	0.5	2.4	2.3	0.7	3.8	3.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	63	1.6	4.4	4.6	4.8	8.1	6.1	11.1	10.9	6.2
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	170	0.0	1.1	1.2	0.6	2.0	1.6	1.8	2.9	1.8
Open Reduction of Hip Fracture	32	3.1	4.5		6.3	8.5		12.5	11.6	
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ORTHOPAEDIC HOSPITAL OF CHARLOTTE Medicare Provider Number: 340153

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 71.2 years	Cancer 1.2 %
Proportion female	Chronic cardlovascular disease 23.8 %
ADMISSION SOURCES/TYPES:	Chronic liver disease 0.3 %
Referred by personal or HMO physician 96.8 %	Chronic renal disease 0.8 %
Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease 5.6 %
Admitted for elective procedure	Cerebrovascular degeneration 1.7 %
Admitted for emergency 4.1 %	Diabetes mellitus 3.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	45.5% 42.4% 12.1%	Hospital State National	8.0 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unlt
** Except for CMI	modification of thing would be

^{*} Not used in calculating mortality rates

OUR COMMUNITY HOSPITAL

708 HOUSE AVENUE SCOTLAND NECK, NC 27874 Medicare Provider Number: 340122

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	YRATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	38	34.2	16.6		39.5	24.3		47.4	29.2	
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	32.4		0.0	36.5		0.0	39.9	
Congestive Heart Failure	6	33.3	16.6		33.3	26.8		33.3	34.0	
Pneumonia/Influenza	7	42.9	25.0		57.1	35.4		71.4	41.4	
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	3	66.7	17.2		100.0	24.1		100.0	27.7	
Hip Fracture	0									
Sepsis	2	100.0	31.1		100.0	35.2		100.0	39.0	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

OUR COMMUNITY HOSPITAL

Medicare Provider Number: 340122

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission	DEMOGRAPHICS:		COMORBIDITIES:	
ADMISSION SOURCES/TYPES: Referred by personal or HMO physician	-			10.5 % 28.9 %
Transferred from skilled nursing facility 7.9 % Admitted for elective procedure 7.9 % Chronic pulmonary disease		71.1 70	Chronic liver disease	2.6 %
Admitted for elective procedure				
Admitted for emergency				
, and the street	Admitted for emergency	2.6 %	Diabetes mellitus	10.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	91.6%	Hospital	6.6 Days
State		State	9.4 Days
Outside State	2.1%	National	8.6 Days
Total	100.0%		

PROFILE:		SPECIALTY SERVICES:	
Total Beds	20	Burn Unit	No
Ownership.Control Private, Non-Prof	fit	Coronary Care Unit	No
Case Mix Index (CMI) 1.015		Hospice Care	No
STAFFING:		Intensive Care Unit	No
Medical Residents/Interns	0	Organ Transplant	No
Registered Nurses	9	Trauma Center	No
Licensed Practical Nurses	2	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:	
		Alcohol/Drug	No
		Rehabilitation	No
		Psychiatric	No
		Medicare Swing Beds	/es

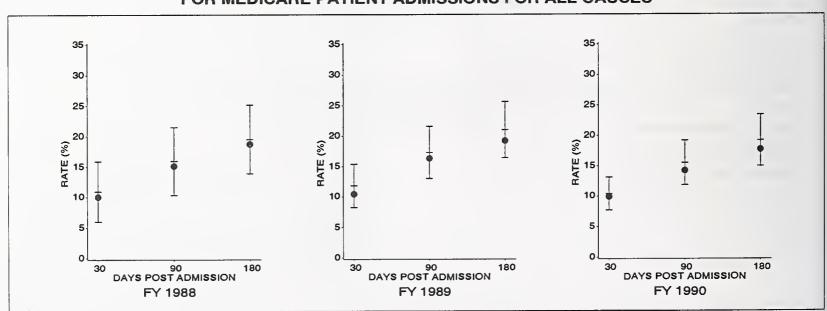
^{*} Not used in calculating mortality rates

PARK RIDGE HOSPITAL NAPLES RD, BOX 1569 FLETCHER, NC 28732 Medicare Provider Number: 340023

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	PRTALIT	RATE	S (%)			
			30 DAY	S	9	DAYS		18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	605	9.9	10.4	1.4	14.2	15.5	1.9	17.7	19.2	2.1
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	37.6		36.4	40.1		45.5	43.0	
Congestive Heart Fallure	20	15.0	14.4		20.0	23.4	*****	20.0	30.4	
Pneumonia/Influenza	41	4.9	16.2		9.8	22.1		14.6	26.2	
Chronic Obstructive Pulmonary Disease	16	6.3	6.8		6.3	12.3		6.3	16.4	
Transient Cerebral Ischemia	7	0.0	2.4		14.3	5.7		14.3	9.0	
Stroke	25	16.0	18.4		16.0	24.2	••••	20.0	28.0	
Hip Fracture	11	18.2	7.5		18.2	12.7		18.2	16.1	
Sepsis	3	33.3	26.9		33.3	34.4		33.3	39.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	33.3	8.0		33.3	16.8		50.0	23.9	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	5.6		0.0	10.2		0.0	13.0	
Open Reduction of Hip Fracture	5	40.0	6.6		40.0	11.2		40.0	14.6	
Prostatectomy	22	0.0	1.1		4.5	2.7		4.5	4.7	
Cholecystectomy	12	0.0	2.4		0.0	4.4		0.0	5.8	
Hysterectomy	6	0.0	0.1		0.0	0.3		0.0	0.6	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PARK RIDGE HOSPITAL Medicare Provider Number: 340023

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission	Cancer

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	64.3%	Hospital	8.8 Days
State	30.4%	State	9.4 Days
Outside State	5.3%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Registered Nurses	Rehabilitation No PsychiatricYes
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

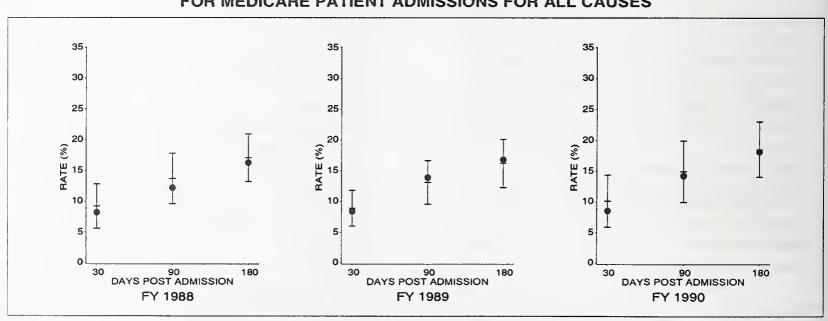
PENDER MEMORIAL HOSPITAL

507 FREEMONT ST BURGAW, NC 28425 Medicare Provider Number: 340093

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	ES (%)				
		30 DAYS			ç	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	508	8.5	10.1	2.1	14.2	14.9	2.5	18.1	18.5	2.2	
CONDITIONS:											
Acute Myocardial Infarction	10	10.0	22.2		20.0	25.2		20.0	28.3		
Congestive Heart Failure	31	16.1	16.8		29.0	24.8		38.7	30.9		
Pneumonia/Influenza	40	12.5	13.9		22.5	19.0		25.0	22.8		
Chronic Obstructive Pulmonary Disease	12	8.3	4.8		8.3	9.5		16.7	13.5		
Transient Cerebral Ischemia	7	0.0	3.4		14.3	7.0		14.3	10.9		
Stroke	27	29.6	23.1		40.7	29.5		51.9	33.8		
Hip Fracture	0										
Sepsis	7	14.3	27.7		14.3	32.6		14.3	37.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	2	0.0	1.8		0.0	4.2		0.0	6.4		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	12	8.3	1.6		8.3	3.1		8.3	4.2		
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PENDER MEMORIAL HOSPITAL

Medicare Provider Number: 340093

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

	5.3 %
scular disease	47.2 %
ase	1.0 %
ease	1.6 %
ry disease	18.3 %
degeneration	3.7 %
3	11.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	66.6%	Hospital	7.6 Days 9.4 Days
Outside State	1.2%	National	8.6 Days
Total 1	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 66	Burn Unit No
Occupancy Rate 75.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 59.0 %	Hospice Care No
Case Mix Index (CMI) 1.0818	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 7	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/Drug No
Registered Nurses	Rehabilitation No
Licensed Practical Nurses 7	Psychiatric No
	Medicare Swing BedsYes
** Except for CMI	

^{*} Not used in calculating mortality rates

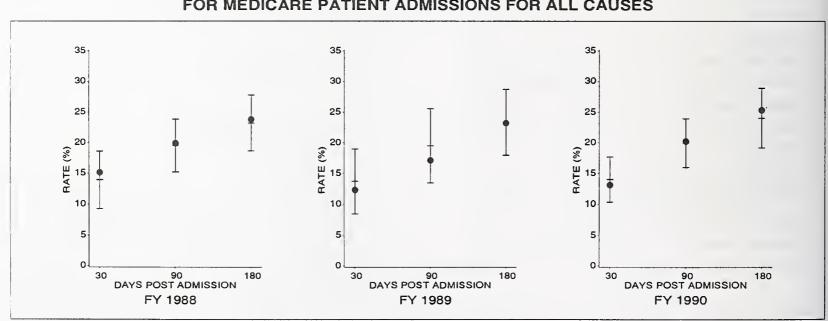
PERSON COUNTY MEMORIAL HOSPITAL

615 RIDGE RD ROXBORO, NC 27573 Medicare Provider Number: 340159

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	S (%)			
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	435	13.1	14.0	1.8	20.2	19.9	2.0	25.3	24.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	23	17.4	28.7		21.7	31.0		21.7	33.7	
Congestive Heart Failure	41	12.2	14.4		19.5	22.6		24.4	28.6	
Pneumonia/Influenza	60	11.7	16.2	6.8	21.7	21.8	6.3	26.7	25.9	5.8
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	3	0.0	1.0		0.0	2.3		0.0	3.9	
Stroke	23	21.7	19.0		39.1	24.1		52.2	27.8	
Hip Fracture	0									
Sepsis	4	50.0	21.4		50.0	31.1		50.0	36.6	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	10	10.0	2.5		10.0	5.1		10.0	7.4	
Hysterectomy	5	0.0	1.1		0.0	2.7		0.0	4.6	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PERSON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 340159

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 76.0 years	Cancer 6.2 %
Proportion female 60.7 %	Chronic cardiovascular disease 46.4 %
ADMISSION SOURCES/TYPES:	Chronic liver disease 0.7 %
Referred by personal or HMO physician 3.0 %	Chronic rena! disease 1.1 %
Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease 27.6 %
Admitted for elective procedure 0.2 %	Cerebrovascular degeneration 4.8 %
Admitted for emergency 97.7 %	Diabetes mellitus 11.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	٧:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	83.3%	Hospital	6.6 Days
State	14.6%	State	9.4 Days
Outside State	2.1%	National	8.6 Days
Total	100.0%		

HOSPITAL CHARACTERISTICS*

SOURCE: Health Care Financing Administration (OSCAR)**	
PROFILE:	SPECIALTY SERVICES:
Total Beds 50	Burn Unit No
Ownership.Control Private, Non-Profit	Coronary Care Unit Yes
Case Mix Index (CMI) 1.2054	Hospice Care No
STAFFING:	Intensive Care Unit
Medical Residents/Interns 0	Organ Transplant No
Registered Nurses	Trauma Center No
Licensed Practical Nurses	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/DrugNo
	Rehabilitation No
	Psychiatric No
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

** Except for CMI

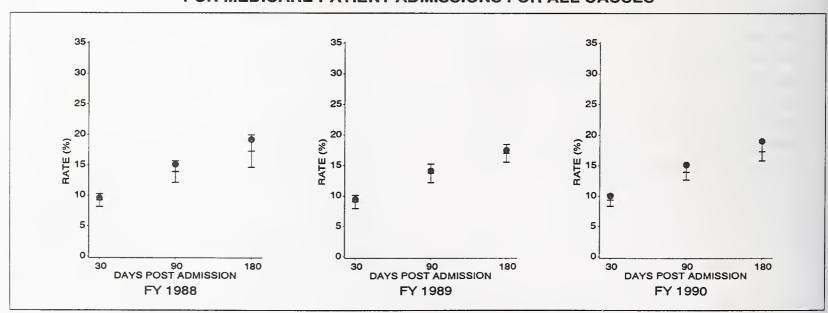
PITT COUNTY MEMORIAL HOSPITAL

200 STANTONSBURG RD, BOX 6028 GREENVILLE, NC 27834 Medicare Provider Number: 340040

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)				
		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	4052	10.0	9.3	0.5	15.1	13.9	0.6	19.0	17.3	0.8	
CONDITIONS:											
Acute Myocardial Infarction	117	18.8	24.6	8.2	20.5	27.1	8.8	23.9	29.6	8.8	
Congestive Heart Failure	194	10.8	12.9	2.6	18.0	20.5	3.1	27.3	26.3	3.2	
Pneumonia/Influenza	129	15.5	17.0	4.0	22.5	23.2	3.8	27.9	27.1	4.1	
Chronic Obstructive Pulmonary Disease	45	11.1	10.4		20.0	17.3		31.1	22.1		
Transient Cerebral Ischemia	47	0.0	2.2		0.0	4.6		0.0	7.1		
Stroke	171	21.6	21.0	4.5	28.7	27.0	5.9	31.0	30.5	6.5	
Hip Fracture	86	9.3	6.5	3.9	10.5	10.9	4.4	16.3	14.0	4.7	
Sepsis	26	34.6	29.4		42.3	38.1		46.2	43.2		
PROCEDURES:											
Angioplasty	132	3.0	2.7	1.4	3.0	3.4	1.9	5.3	4.3	1.8	
Coronary Artery Bypass Graft	186	5.4	5.5	1.9	10.8	7.5	2.8	11.3	8.5	3.0	
Initial Pacemaker Insertion	27	7.4	4.3		7.4	7.8		7.4	10.8	****	
Carotid Endarterectomy	29	0.0	1.2		3.4	2.2	*****	6.9	3.2		
Hip Replacement/Reconstruction	100	3.0	2.8	2.0	6.0	4.7	2.8	6.0	6.1	3.5	
Open Reduction of Hip Fracture	38	10.5	5.5	*	10.5	9.8		21.1	12.9		
Prostatectomy	101	0.0	1.0	1.4	3.0	2.3	1.6	7.9	3.9	3.5	
Cholecystectomy	96	6.2	2.9	2.6	8.3	5.4	2.9	9.4	7.2	3.0	
Hysterectomy	57	0.0	1.1	1.6	1.8	2.5	2.2	5.3	3.8	3.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PITT COUNTY MEMORIAL HOSPITAL Medicare Provider Number: 340040

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	70.1 years	Cancer	9.6 %
Proportion female	52.0 %	Chronic cardiovascular disease	45.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.4 %
Referred by personal or HMO physician	43.6 %	Chronic renal disease	9.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.0 %
Admitted for elective procedure		Cerebrovascular degeneration	2.6 %
Admitted for emergency		Diabetes mellitus	9.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	41.1%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	9.8 Days 9.4 Days
Outside State	1.7%	National	8.6 Days
Total	100.0%		

OURCE: AHA Annual Survey of Hospitals** - Survey Year	
PROFILE:	SPECIALTY SERVICES:
Total Beds 566	Burn Unit No
Occupancy Rate 85.0 %	Cardiac Intensive Care Yes
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges	Hospice Care No
Case Mix Index (CMI) 1.6913	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue TransplantYes
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists 83.1 % Medical Residents/Interns 170	Trauma Center
	Alcohol/Drug No
Registered Nurses1054	Rehabilitation Yes
Licensed Practical Nurses	Psychiatric Yes
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

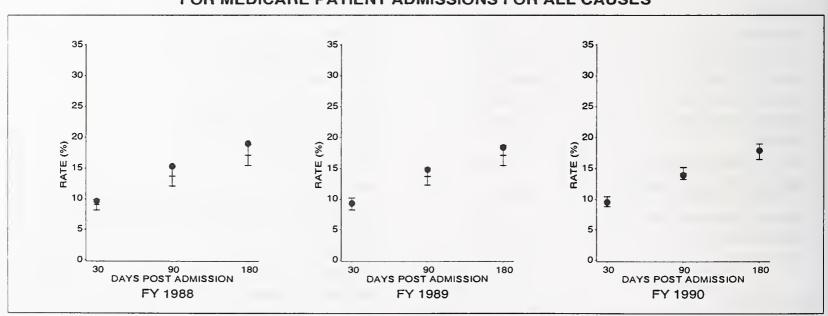
PRESBYTERIAN HOSPITAL

200 HAWTHORNE LANE, BOX 33549 CHARLOTTE, NC 28233 Medicare Provider Number: 340053

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	5720	9.5	9.6	0.4	13.9	14.2	0.5	17.9	17.7	0.6	
CONDITIONS:											
Acute Myocardial Infarction	273	22.0	26.4	4.7	25.3	29.2	5.1	27.8	31.9	5.5	
Congestive Heart Failure	258	14.3	13.0	2.5	21.7	20.6	3.4	27.9	26.3	3.4	
Pneumonia/Influenza	208	14.9	14.6	2.6	22.6	20.0	3.5	26.0	23.7	3.7	
Chronic Obstructive Pulmonary Disease	54	5.6	7.3	3.7	7.4	13.1	5.2	7.4	17.5	6.8	
Transient Cerebral Ischemia	38	2.6	1.6		2.6	3.6		2.6	5.9		
Stroke	209	22.5	20.9	3.4	28.2	27.1	3.5	32.5	30.8	3.7	
Hip Fracture	186	3.8	6.5	2.6	6.5	11.3	4.0	9.1	14.6	4.0	
Sepsis	72	30.6	27.4	6.1	36.1	35.9	5.7	40.3	40.7	5.8	
PROCEDURES:											
Angioplasty	107	3.7	4.3	2.6	5.6	5.1	2.7	6.5	5.9	3.3	
Coronary Artery Bypass Graft	196	4.1	5.8	2.4	4.6	7.9	2.9	5.1	8.8	3.0	
Initial Pacemaker Insertion	87	3.4	3.1	1.9	4.6	5.9	2.8	8.0	8.5	3.5	
Carotid Endarterectomy	40	2.5	1.0		2.5	1.9		2.5	2.9		
Hip Replacement/Reconstruction	81	0.0	4.9	5.2	1.2	8.8	7.5	3.7	11.6	7.4	
Open Reduction of Hip Fracture	73	6.8	6.2	3.4	9.6	11.5	4.2	11.0	15.2	5.6	
Prostatectomy	270	2.2	1.0	8.0	3.7	2.3	1.4	5.6	3.9	1.5	
Cholecystectomy	156	1.9	2.4	1.8	3.8	4.3	1.7	6.4	5.6	1.9	
Hysterectomy	89	0.0	0.4	0.7	0.0	0.9	1.2	0.0	1.5	1.7	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PRESBYTERIAN HOSPITAL

Medicare Provider Number: 340053

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission 73.8 years		
Average age at adminosion	Cancer	10.5 %
Proportion female 55.8 %	Chronic cardiovascular disease	35.2 %
DMISSION SOURCES/TYPES:	Chronic liver disease	1.1 %
Referred by personal or HMO physician 41.1 %	Chronic renal disease	3.1 %
Transferred from skilled nursing facility 0.1 %	Chronic pulmonary disease	13.9 %
Admitted for elective procedure	Cerebrovascular degeneration	4.2 %
Admitted for emergency	Diabetes mellitus	6.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	۷:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	67.1%	Hospital	9.2 Days
State		State	9.4 Days
Outside State	8.1%	National	8.6 Days
Total	100.0%		

	0
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
STAFFING: Total Number of Physicians	Organ/Tissue Transplant

^{*} Not used in calculating mortality rates

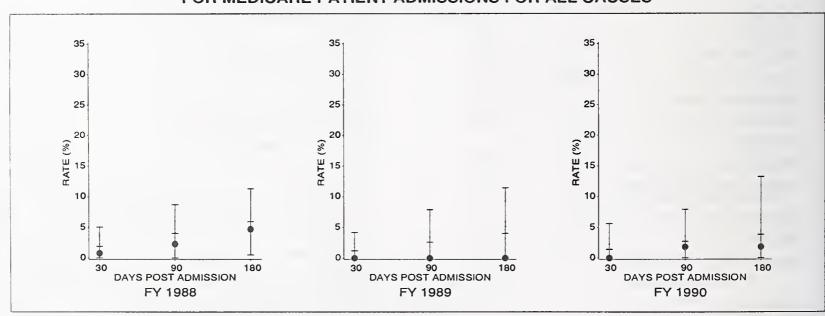
PRESBYTHERIAN SPECIALTY HOSPITAL

1600 E 3 ST CHARLOTTE, NC 28234 Medicare Provider Number: 340009

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	S (%)			
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	111	0.0	1.4	2.1	1.8	2.7	2.6	1.8	3.8	4.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PRESBYTHERIAN SPECIALTY HOSPITAL Medicare Provider Number: 340009

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	68.3 years	Cancer	4.5 %
Proportion female		Chronic cardiovascular disease	23.4 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	96.4 %	Chronic renal disease	0.9 %
Transferred from skilled nursing facility		Chronic pulmonary disease	8.1 %
Admitted for elective procedure		Cerebrovascular degeneration	0.0 %
Admitted for energency		Diabetes mellitus	5.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	۷:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	46.7%	Hospital	6.5 Days 9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990 PROFILE: Total Beds 68 Occupancy Rate 16.0 % Ownership.Control Private, Non-Profit Medicare Discharges 22.8 % Case Mix Index (CMI) 1.1666 STAFFING: Total Number of Physicians Board Certified Specialists 82.6 %	SPECIALTY SERVICES: Burn Unit
Medical Residents/Interns	Alcohol/Drug
Registered Nurses	
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

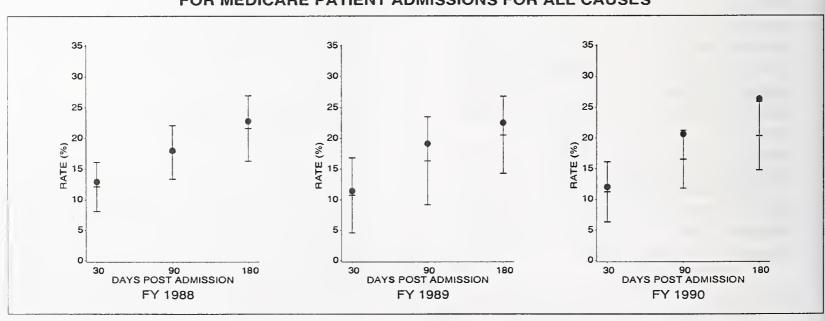
PUNGO DISTRICT HOSPITAL

210 FRONT ST BELHAVEN, NC 27810 Medicare Provider Number: 340089

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALITY RATES (%)						
			30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	316	12.0	11.2	2.5	20.6	16.5	2.4	26.3	20.3	2.8	
CONDITIONS:											
Acute Myocardial Infarction	7	28.6	36.8		28.6	41.0		28.6	43.8		
Congestive Heart Failure	26	19.2	16.0		34.6	25.4		42.3	32.2		
Pneumonia/Influenza	22	22.7	18.7		27.3	25.6		27.3	29.6	•	
Chronic Obstructive Pulmonary Disease	4	75.0	15.2		100.0	27.9		100.0	35.6		
Transient Cerebral Ischemia	4	0.0	1.6		0.0	4.1		0.0	7.2		
Stroke	17	17.6	18.0		35.3	24.4		35.3	28.4		
Hip Fracture	1	0.0	15.4		0.0	30.9		0.0	40.4		
Sepsis	6	0.0	22.3		50.0	28.7		50.0	34.7		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	0										
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



PUNGO DISTRICT HOSPITAL Medicare Provider Number: 340089

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission	Cancer

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State	63.6% 35.1% 1.3%	Hospital State National	5.5 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals*	** - Survey Year 1	990
PROFILE: Total Beds	49 83.0 % Non-Profit 44.9 % 0.9623 2 50.0 % 0	SPECIALTY SERVICES: Burn Unit
** Except for CMI		

^{*} Not used in calculating mortality rates

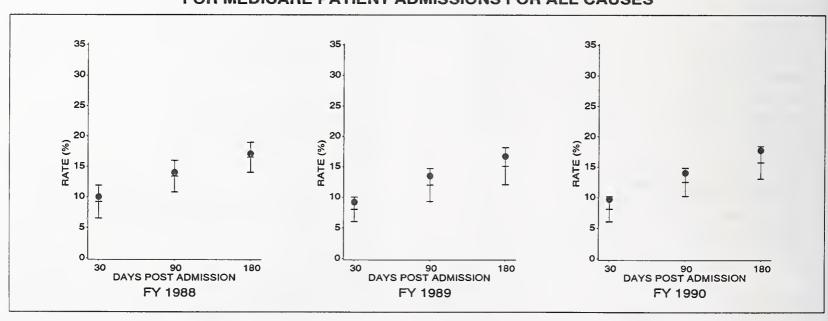
RANDOLPH HOSPITAL

373 N FAYETTEVILLE ST ASHEBORO, NC 27203 Medicare Provider Number: 340123

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	S (%)			
		3	30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1320	9.7	8.1	1.0	14.0	12.5	1.2	17.7	15.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	72	22.2	17.6	7.9	30.6	20.9	8.5	33.3	23.6	9.0
Congestive Heart Failure	95	14.7	11.5	4.9	16.8	18.3	6.1	25.3	23.7	6.3
Pneumonia/Influenza	61	23.0	12.6	7.8	26.2	17.4	7.7	27.9	20.9	7.2
Chronic Obstructive Pulmonary Disease	14	7.1	11.3		7.1	18.8		21.4	24.0	
Transient Cerebral Ischemia	20	0.0	1.9		5.0	4.3		5.0	7.2	
Stroke	60	20.0	17.5	6.5	21.7	24.1	6.5	25.0	28.1	6.6
Hip Fracture	60	10.0	6.1	4.1	18.3	11.2	6.0	26.7	14.8	7.8
Sepsis	20	30.0	18.8		35.0	25.1		45.0	29.5	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	35	11.4	4.8		14.3	9.1	••••	17.1	12.2	
Open Reduction of Hip Fracture	25	8.0	5.5		24.0	10.3		32.0	13.9	
Prostatectomy	64	3.1	0.9	2.3	3.1	2.2	3.4	6.3	3.7	3.4
Cholecystectomy	25	0.0	2.1		4.0	3.8		4.0	5.1	
Hysterectomy	11	0.0	0.5		0.0	1.2		0.0	2.1	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



RANDOLPH HOSPITAL Medicare Provider Number: 340123

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.6 years	Cancer	5.1 %
Proportion female		Chronic cardiovascular disease	39.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	34.1 %	Chronic renal disease	2.8 %
Transferred from skilled nursing facility		Chronic pulmonary disease	19.8 %
Admitted for elective procedure		Cerebrovascular degeneration	6.3 %
Admitted for emergency		Diabetes mellitus	6.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City	MEDICARE AVERAGE LENGTH OF STAY: Hospital	7.6 Days 9.4 Days 8.6 Days
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ROFILE:	SPECIALTY SERVICES:
Total Beds 145	Burn Unit No
Occupancy Rate 44.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Gerlatric No
Medicare Discharges 43.1 %	Hospice Care No
Case Mix Index (CMI) 1.1988	Medical/Surgical Intensive Care Yes
TAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 52	Other Intensive Care No
	Trauma Center No
Percent of Physicians Board Certified Specialists	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses141	RehabilitationNo
Licensed Practical Nurses39	Psychiatric No
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

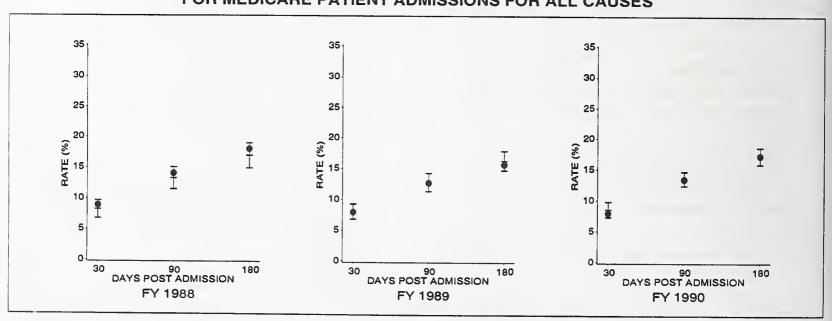
REX HOSPITAL

4420 LAKE BOONE TRAIL RALEIGH, NC 27607 Medicare Provider Number: 340114

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MORTALITY RATES (%)						
	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	3788	7.9	8.5	0.6	13.4	13.5	0.6	17.2	17.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	145	16.6	20.9	6.1	22.1	24.5	5.4	25.5	27.2	5.5
Congestive Heart Failure	167	16.8	13.9	4.2	29.9	22.3	5.2	37.7	28.6	5.5
Pneumonia/influenza	145	12.4	15.0	4.0	17.9	20.8	3.9	23.4	24.6	4.3
Chronic Obstructive Pulmonary Disease	21	9.5	6.6		28.6	11.6		33.3	15.6	
Transient Cerebral Ischemia	35	0.0	1.5		0.0	3.3		0.0	5.3	•
Stroke	185	14.6	19.6	5.5	24.3	27.0	5.7	27.0	31.0	4.
Hip Fracture	98	2.0	5.8	3.3	7.1	10.5	3.9	12.2	13.9	3.
Sepsis	29	17.2	18.7		20.7	25.5		20.7	29.8	
PROCEDURES:										
Angioplasty	51	0.0	3.8	4.7	0.0	4.8	5.9	2.0	5.7	5.
Coronary Artery Bypass Graft	59	10.2	5.5	3.8	16.9	7.7	5.9	16.9	8.7	5.
initial Pacemaker insertion	40	2.5	3.9		2.5	7.2		5.0	10.2	
Carotid Endarterectomy	26	0.0	1.6		0.0	2.8		0.0	3.9	
Hip Replacement/Reconstruction	7 5	2.7	2.8	1.9	4.0	5.4	2.9	6.7	7.6	3.:
Open Reduction of Hip Fracture	52	1.9	5.4	4.2	9.6	9.9	4.2	15.4	13.3	5.
Prostatectomy	117	0.0	0.9	1.2	1.7	2.1	1.4	3.4	3.7	1.
Cholecystectomy	102	4.9	3.1	2.1	6.9	5 .5	3.6	10.8	7.3	4.
Hysterectomy	48	2.1	0.6		2.1	1.4		2.1	2.1	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



REX HOSPITAL Medicare Provider Number: 340114

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.5 years	Cancer	12.5 %
Proportion female		Chronic cardiovascular disease	36.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	55.1 %	Chronic renal disease	2.2 %
Transferred from skilled nursing facility		Chronic pulmonary disease	17.6 %
		Cerebrovascular degeneration	5.1 %
Admitted for elective procedure Admitted for emergency		Diabetes mellitus	6.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	78.9% 17.8% 3.3%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990	
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit No
Occupancy Rate	Cardiac Intensive Care
Medicare Discharges	Hospice Care No Medical/Surgical Intensive Care
Total Number of Physicians	Other Intensive Care
Medical Residents/Interns	OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug
** Except for CMI	Psychiatric No Medicare Swing Beds No

^{*} Not used in calculating mortality rates

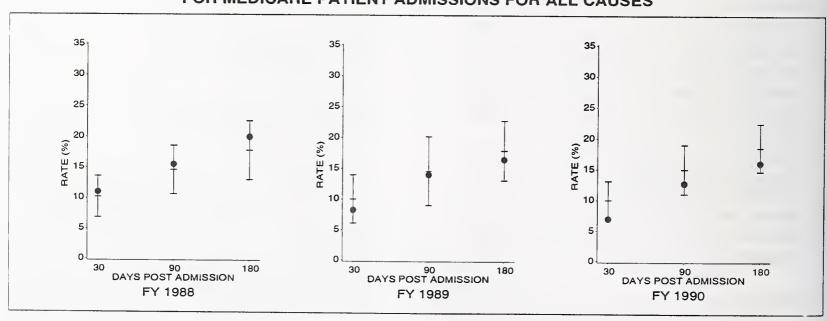
RICHMOND MEMORIAL HOSPITAL

1000 LONG DR, BOX 1928 ROCKINGHAM, NC 28301 Medicare Provider Number: 340035

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

	NUMBER OF CASES		30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	757	6.9	10.0	1.5	12.7	15.0	2.0	16.0	18.5	1.9	
CONDITIONS:											
Acute Myocardial Infarction	27	25.9	29.8		29.6	32.8		33.3	35.6		
Congestive Heart Failure	43	7.0	13.4		9.3	21.4		14.0	27.3		
Pneumonia/Influenza	5 6	5.4	17.2	7.0	19.6	23.4	8.2	21.4	27.3	6.6	
Chronic Obstructive Pulmonary Disease	10	0.0	6.0		0.0	11.2		0.0	16.1		
Transient Cerebral Ischemia	15	0.0	1.6		0.0	3.6		6.7	5.9		
Stroke	28	7.1	19.4		2 5.0	2 5.8		28.6	29.7		
Hip Fracture	10	0.0	4.0		0.0	7.0	*****	0.0	9.6		
Sepsis	15	33.3	19.7		33.3	25.2		33.3	28.7		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	1	0.0	12.7		0.0	21.4		0.0	31.0		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	1	0.0	1.7		0.0	3.1		0.0	4.7		
Open Reduction of Hip Fracture	7	0.0	3.8		0.0	7.1		0.0	10.0		
Prostatectomy	19	0.0	1.4		0.0	3.2		0.0	5 .5		
Cholecystectomy	16	0.0	1.7		0.0	2.9		0.0	3.6		
Hysterectomy	2	0.0	0.1		0.0	0.1		0.0	0.3		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



RICHMOND MEMORIAL HOSPITAL

Medicare Provider Number: 340035

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

MOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73. 5 years	Cancer	6.2 %
Proportion female	55.7 %	Chronic cardiovascular disease	39.2 %
MISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	36.2 %	Chronic renal disease	2.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	17.0 %
Admitted for elective procedure		Cerebrovascular degeneration	3.7 %
Admitted for emergency		Diabetes mellitus	14.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	89.4% 8.0% 2.6%	Hospital State National	8.0 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 127	Burn Unit No
Occupancy Rate 78.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges	Hospice Care No
Case Mix Index (CMI) 1.1062	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center
Medical Residents/Interns	Alcohol/Drug No
Registered Nurses 107	Rehabilitation No
Licensed Practical Nurses	Psychiatric No
	Medicare Swing Beds Yes
* Except for CMI	

^{*} Not used in calculating mortality rates

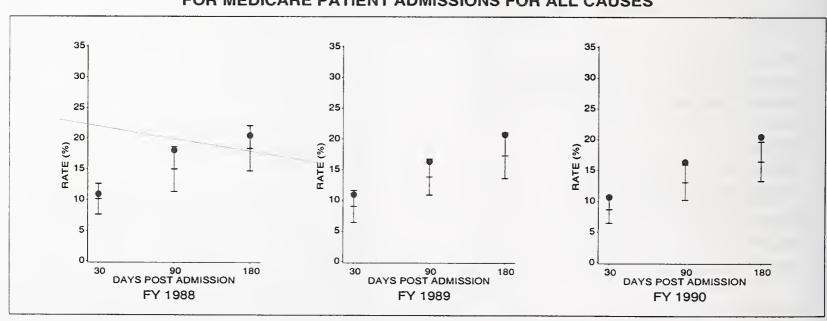
ROANOKE CHOWAN HOSPITAL

500 S ACADEMY ST AHOSKIE, NC 27910 Medicare Provider Number: 340099

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1120	10.6	8.6	1.1	16.3	13.0	1.4	20.4	16.4	1.6	
CONDITIONS:											
Acute Myocardial Infarction	47	25.5	24.9		27.7	28.1		34.0	30.8		
Congestive Heart Failure	85	14.1	12.5	4.0	18.8	20.1	4.6	23.5	26.0	5.4	
Pneumonia/Influenza	65	9.2	12.8	6.2	16.9	17.9	5.8	20.0	21.4	5.6	
Chronic Obstructive Pulmonary Disease	11	9.1	6.3		9.1	11.5		9.1	15.5		
Transient Cerebral Ischemia	33	3.0	2.0		3.0	4.6	••••	9.1	7.6		
Stroke	79	24.1	18.2	5.1	38.0	24.5	6.8	43.0	28.2	7.5	
Hip Fracture	24	8.3	6.3		20.8	11.4		20.8	15.2		
Sepsis	7	14.3	22.6		14.3	29.0		14.3	33.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	5	20.0	3.3		20.0	6.5		20.0	9.2		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	14	0.0	5.9		14.3	11.2		14.3	15.4		
Open Reduction of Hip Fracture	12	16.7	5.5	*****	25.0	10.1		25.0	13.5		
Prostatectomy	23	0.0	1.3		4.3	2.8	*****	4.3	4.4		
Cholecystectomy	31	0.0	1.8		0.0	3.2		3.2	4.2		
Hysterectomy	12	0.0	0.1		0.0	0.3		0.0	0.5		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ROANOKE CHOWAN HOSPITAL

Medicare Provider Number: 340099

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	- 4 0/
Average age at admission	74.5 years	Cancer	5.4 %
Proportion female		Chronic cardiovascular disease	32.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
	55.0 %	Chronic renal disease	3.0 %
Heleffed by personal of Time projection.	• • • • • • • • • • • • • • • • • • • •	Chronic pulmonary disease	15.3 %
Transferred from skilled nursing facility		Cerebrovascular degeneration	3.7 %
Admitted for elective procedure		Diabetes mellitus	8.6 %
Admitted for emergency	29.9 %	Diabetes montas	

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	51.0% 47.5%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	9.3 Days 9.4 Days 8.6 Days
Outside State		National	8.6 Days

Total Beds	ROFILE:	SPECIALTY SERVICES:
Occupancy Rate	Total Beds 100	Burn Unit No
Ownership.Control		Cardiac Intensive Care No
Medicare Discharges		Comprehensive Gerlatric No
Case Mix Index (CMI)		Hospice Care No
Total Number of Physicians 34 Other Intensive Care Nother Intensiv		Medicai/Surgical Intensive Care Yes
Total Number of Physicians 34 Other Intensive Care No Percent of Physicians Board Trauma Center No Other Specialists OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Medical Residents/interns 96 Rehabilitation No Replacement No		Organ/Tissue Transplant No
Percent of Physicians Board Certified Specialists		Other Intensive Care No
Medical Residents/Interns		Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses 96 Rehabilitation N	Medical Residents/interns 0	
Licensed Practical Nurses	Registered Nurses	A.L.
	Licensed Practical Nurses	Psychiatric No

^{*} Not used in calculating mortality rates

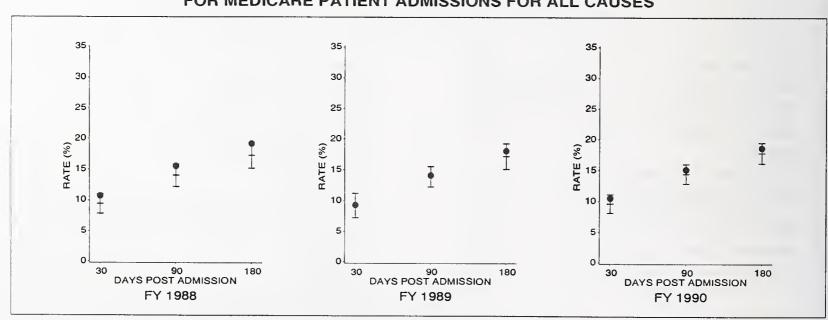
ROWAN MEMORIAL HOSPITAL

612 MOCKSVILLE AVE SALISBURY, NC 28144 Medicare Provider Number: 340015

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	YRATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	2408	10.5	9.6	8.0	15.1	14.4	0.8	18.6	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	111	24.3	24.0	4.1	29.7	26.7	4.9	34.2	29.5	5.9
Congestive Heart Failure	116	8.6	12.8	5.7	17.2	20.8	6.0	22.4	26.8	5.4
Pneumonia/Influenza	173	23.1	13.6	4.5	26.0	18.9	3.9	30.6	22.5	4.4
Chronic Obstructive Pulmonary Disease	32	12.5	7.0		21.9	12.6		21.9	16.9	
Transient Cerebral Ischemia	31	0.0	1.0		0.0	2.4		0.0	4.1	
Stroke	168	14.9	16.3	3.6	19.0	22.8	4.3	23.2	26.6	4.0
Hip Fracture	89	6.7	6.4	2.8	10.1	11.3	3.5	12.4	14.8	4.6
Sepsis	61	16.4	26.5	7.9	26.2	34.2	10.4	29.5	38.7	10.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.5		14.3	6.5		14.3	9.3	
Carotid Endarterectomy	4	0.0	0.7		0.0	1.4		0.0	2.1	
Hip Replacement/Reconstruction	58	3.4	4.9	3.5	8.6	9.2	4.2	12.1	12.4	4.8
Open Reduction of Hip Fracture	42	7.1	5.7		9.5	10.3		11.9	13.8	
Prostatectomy	94	2.1	0.8	1.5	2.1	1.8	1.4	2.1	3.1	2.0
Cholecystectomy	44	2.3	1.9		9.1	3.5		13.6	4.8	
Hysterectomy	26	0.0	0.7		0.0	1.6		3.8	2.5	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



ROWAN MEMORIAL HOSPITAL

Medicare Provider Number: 340015

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
	74.9 years	Cancer	6.9 %
		Chronic cardiovascular disease	36.9 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
	89 5 %	Chronic renal disease	2.8 %
Referred by personal or HMO physician		Chronic pulmonary disease	13.4 %
Transferred from skilled nursing facility		Cerebrovascular degeneration	4.0 %
Admitted for elective procedure		Diabetes mellitus	7.6 %
Admitted for emergency	59.7 %		

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: County/City	MEDICARE AVERAGE LENGTH OF STAY: Hospital	8.8 Days 9.4 Days 8.6 Days
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Cardiac Intensive Care Yes Comprehensive Geriatric No Hospice Care No Medical/Surgical Intensive Care Yes Organ/Tissue Transplant No Other Intensive Care No Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug Yes Rehabilitation No	PROFILE:	SPECIALTY SERVICES:
Comprehensive Geriatric No Hospice Care No Medical/Surgical Intensive Care Yes Organ/Tissue Transplant No Other Intensive Care No Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug Yes Rehabilitation No	Total Beds	Burn Unit No
Hospice Care	Occupancy Rate 65.0 %	Cardiac Intensive Care Yes
Medical/Surgical Intensive Care Yes Organ/Tissue Transplant Nother Intensive Care Nother Intensive Care Nother Intensive Care Nother Special Trauma Center Nother Special Try/HOSPITAL-BASED SERVICES: Alcohol/Drug Ye Rehabilitation N	Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Organ/Tissue Transplant	Medicare Discharges	Hospice Care No
Organ/Tissue Transplant Other Intensive Care	Case Mix Index (CMI) 1.2753	Medical/Surgical Intensive Care Ye
Other Mensive Care	STAFFING:	Organ/Tissue Transplant N
OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/DrugYe RehabilitationN	Total Number of Physicians 82	Other Intensive Care N
Alcohol/Drug Ye Rehabilitation N		Trauma Center N
RehabilitationN	Percent of Physicians Board Certified Specialists	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Medical Residents/Interns 0	Alcohol/DrugYe
Psychiatric Ye	Registered Nurses 191	
	Licensed Practical Nurses	Psychiatric Ye
Medicare Swing Beds	Registered Nurses	Rehabilitation

^{*} Not used in calculating mortality rates

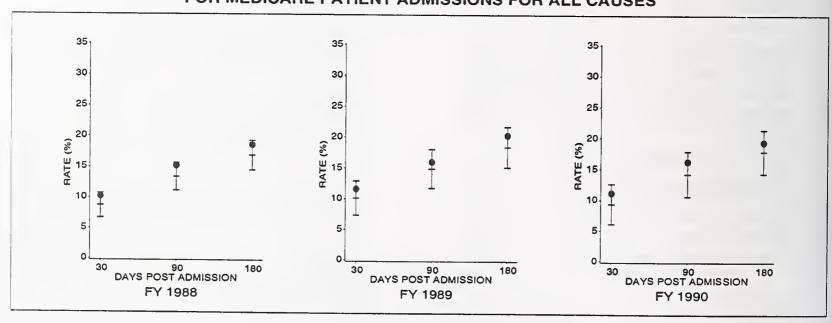
RUTHERFORD HOSPITAL INC

308 S RIDGECREST AVE RUTHERFORDTON, NC 28139 Medicare Provider Number: 340013

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				Mo	ORTALIT	YRATE	S (%)				
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	1278	11.1	9.3	1.6	16.2	14.2	1.8	19.3	17.8	1.8	
CONDITIONS:											
Acute Myocardial Infarction	73	30.1	22.7	8.8	37.0	26.2	9.0	42.5	29.3	8.6	
Congestive Heart Failure	95	14.7	12.8	4.7	24.2	20.8	6.3	30.5	27.0	6.4	
Pneumonia/Influenza	69	17.4	12.8	5.3	21.7	18.0	5.4	24.6	21.6	6.2	
Chronic Obstructive Pulmonary Disease	6	0.0	13.4		0.0	23.5		33.3	30.0		
Transient Cerebral Ischemia	14	7.1	3.2		7.1	7.1		7.1	11.1		
Stroke	74	16.2	17.9	7.2	20.3	24.4	7.4	25.7	28.2	7.1	
Hip Fracture	64	6.3	5.8	3.0	7.8	10.5	5.3	9.4	13.6	7.1	
Sepsis	12	41.7	22.1		41.7	31.0		41.7	36.0		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	10	0.0	4.4		0.0	8.7		0.0	12.6		
Carotid Endarterectomy	7	0.0	1.2		0.0	2.2		0.0	3.0		
Hip Replacement/Reconstruction	22	0.0	5.2		0.0	9.8		0.0	12.9		
Open Reduction of Hip Fracture	15	6.7	4.7		6.7	8.8		6.7	11.6		
Prostatectomy	16	6.3	0.8		6.3	1.7		6.3	3.0		
Cholecystectomy	39	2.6	2.9		5.1	5.4		10.3	7.2		
Hysterectomy	13	0.0	0.6		0.0	1.4	•••••	0.0	2.3		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



RUTHERFORD HOSPITAL INC

Medicare Provider Number: 340013

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.5 years	Cancer	7.7 %
Proportion female		Chronic cardiovascular disease	42.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	98.8 %	Chronic renal disease	2.0 %
Transferred from skilled nursing facility		Chronic pulmonary disease	13.1 %
		Cerebrovascular degeneration	2.9 %
Admitted for elective procedure		Diabetes mellitus	10.5 %
Admitted for emergency	67.9 %		

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

County/City 89.3% State 8.3% Outside State 2.4%	Hospital 8.9 Days State 9.4 Days National 8.6 Days
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ROFILE:		SPECIALTY SERVICES:
Total Beds	145	Burn Unit No
Occupancy Rate	49.0 %	Cardiac Intensive Care No
Ownership.Control Private		Comprehensive Geriatric No
Medicare Discharges		Hospice Care No
Case Mix Index (CMI)		Medical/Surgical Intensive Care Yes
TAFFING:		Organ/Tissue Transplant N
Total Number of Physicians	38	Other Intensive Care N
Percent of Physicians Board Certified Specialists		Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	0	Alcohol/DrugN
Registered Nurses	109	RehabilitationN
Licensed Practical Nurses	42	Psychiatric N

^{*} Not used in calculating mortality rates

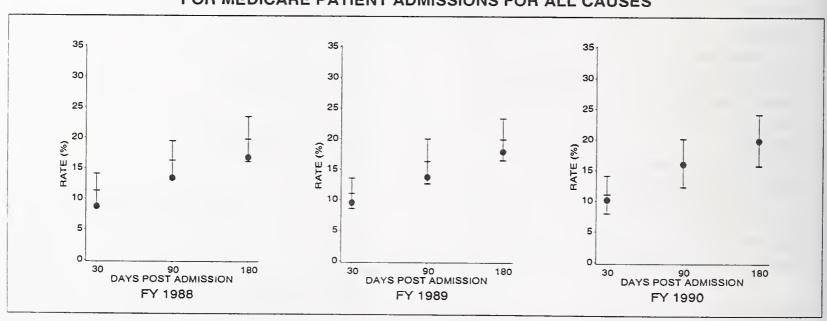
SAMPSON COUNTY MEMORIAL HOSPITAL

607 BEAMAN ST CLINTON, NC 28328 Medicare Provider Number: 340024

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD	
ALL CAUSES	1035	10.1	11.0	1.5	16.0	16.2	2.0	19.8	19.9	2.	
CONDITIONS:											
Acute Myocardial Infarction	46	21.7	28.7		30.4	32.5		41.3	35.4		
Congestive Heart Failure	90	14.4	15.7	4.0	22.2	24.5	5.1	26.7	30.6	5.	
Pneumonia/Influenza	52	21.2	18.2	8.9	30.8	24.7	11.4	34.6	28.9	11.	
Chronic Obstructive Pulmonary Disease	9	11.1	9.1		22.2	15.4		44.4	20.2		
Transient Cerebral Ischemia	14	0.0	2.5		0.0	5.8		14.3	9.2		
Stroke	77	15.6	19.8	5.5	23.4	26.6	5.9	28.6	30.1	5	
Hip Fracture	51	5.9	7.4	4.0	7.8	12.8	6.1	7.8	16.3	7	
Sepsis	22	27.3	25.4		36.4	32.6		45.5	37.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	9	0.0	2.2		0.0	4.0		0.0	5.6		
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	34	2.9	4.3		2.9	8.2		5.9	11.0		
Open Reduction of Hip Fracture	29	6.9	7.4		10.3	13.0		10.3	16.5		
Prostatectomy	14	7.1	1.7		7.1	3.7		7.1	5.9		
Cholecystectomy	16	12.5	2.9		18.8	5.3		18.8	7.0		
Hysterectomy	7	0.0	1.0		0.0	2.1		0.0	3.0		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



SAMPSON COUNTY MEMORIAL HOSPITAL Medicare Provider Number: 340024

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:	
Average age at admission 75.0	0 years Cancer 6.6	%
Proportion female 58.3	3 % Chronic cardiovascular disease 41.4	%
ADMISSION SOURCES/TYPES:	Chronic liver disease 0.5	%
Referred by personal or HMO physician 37.2	2 % Chronic renal disease 8.6	%
	9 % Chronic pulmonary disease 12.7	%
	3 % Cerebrovascular degeneration 5.6	%
Admitted for emergency	1 % Diabetes mellitus 8.3	%

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State	18.2%	Hospital State National	9.1 Days 9.4 Days 8.6 Days
Total	100.0%		

		990
PROFILE:		SPECIALTY SERVICES:
Total Beds	146	Burn Unit No
Occupancy Rate	66.0 %	Cardiac Intensive Care No
Ownership.Control F	rivate, Non-Profit	Comprehensive Geriatric No
Medicare Discharges	40.2 %	Hospice Care No
Case Mix Index (CMI)	1.2668	Medical/Surgical Intensive CareYes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	34	Other Intensive Care No
Percent of Physicians Board Certified Specialists	70.4.9/	Trauma Center No
	_	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns		Alcohol/DrugNo
Registered Nurses	114	RehabilitationNo
Licensed Practical Nurses	11	Psychiatric No
Except for CMI		Medicare Swing BedsYes

^{*} Not used in calculating mortality rates

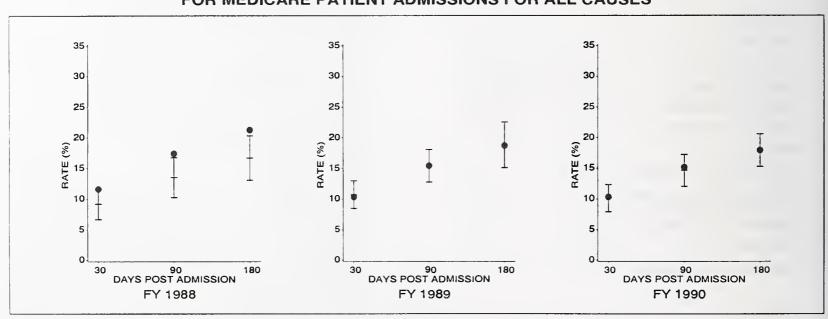
SCOTLAND MEMORIAL HOSPITAL

500 LAUCHWOOD DR LAURINBURG, NC 28352 Medicare Provider Number: 340008

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
	NUMBER OF CASES	30 DAYS			90 DAYS			18	180 DAYS			
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	892	10.3	10.1	1.1	15.1	14.6	1.3	17.9	17.9	1.3		
CONDITIONS:												
Acute Myocardial Infarction	44	20.5	26.0		25.0	29.0		25.0	31.9			
Congestive Heart Failure	58	13.8	13.4	4.5	15.5	21.2	6.3	19.0	27.0	7.7		
Pneumonia/Influenza	38	18.4	11.8		23.7	15.8		23.7	18.8	•		
Chronic Obstructive Pulmonary Disease	11	9.1	11.0		27.3	18.8		27.3	23.5			
Transient Cerebral Ischemia	12	0.0	1.8		0.0	4.3		0.0	7.2			
Stroke	53	18.9	19.8	6.0	30.2	24.9	6.7	37.7	28.4	7.4		
Hip Fracture	41	9.8	6.7		14.6	11.8		14.6	15.2			
Sepsis	23	34.8	32.8		34.8	39.8		43.5	43.8			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0											
Initial Pacemaker Insertion	0											
Carotid Endarterectomy	7	0.0	1.5		0.0	2.8		0.0	4.2			
Hip Replacement/Reconstruction	24	0.0	5.5		8.3	10.1		8.3	13.2			
Open Reduction of Hip Fracture	22	4.5	4.1		4.5	7.9		4.5	11.0			
Prostatectomy	47	0.0	1.5		0.0	3.7		2.1	6.5			
Cholecystectomy	16	0.0	3.8		0.0	7.0		0.0	9.2			
Hysterectomy	6	0.0	0.3		0.0	0.6		0.0	1.0			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



SCOTLAND MEMORIAL HOSPITAL Medicare Provider Number: 340008

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

		0	6.4 %
Average age at admission	71.6 years	Cancer	•
Proportion female	56.2 %	Chronic cardiovascular disease	32.7 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physician	39.9 %	Chronic renal disease	4.6 %
Transferred from skilled nursing facility		Chronic pulmonary disease	14.6 %
Admitted for elective procedure	0.8 %	Cerebrovascular degeneration	5.6 %
Admitted for emergency	43.9 %	Diabetes mellitus	12.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

RIGIN OF MEDICARE PATIENT ADMISSION	۷:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	65.4%	Hospital	8.5 Days
State	24.6%	State	9.4 Days
Outside State	10.0%	National	8.6 Days
Total	100.0%		

ROFILE:	SPECIALTY SERVICES:
Total Beds 16	Burn Unit No
Occupancy Rate 63.0	Cardiac Intensive Care No
Ownership.Controi Private, Non-Profi	Comprehensive Geriatric No
Medicare Discharges25.4	Hospice Care Yes
Case Mix Index (CMI) 1.249	Medical/Surgical intensive Care Yes
TAFFING:	Organ/Tissue Transplant No
Total Number of Physiclans 3	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center Yes
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/interns	Aicohoi/DrugYes
Registered Nurses11	Renabilitation
Licensed Practical Nurses 5	Psychiatric No
	Medicare Swing Beds Yes

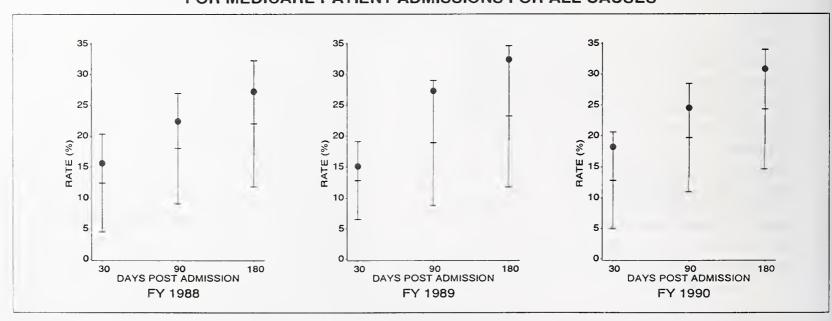
^{*} Not used in calculating mortality rates

SEA LEVEL HOSPITAL HWY 70 E, BOX 100 SEA LEVEL, NC 28577 Medicare Provider Number: 340076

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	YRATE	S (%)			
		;	30 DAY	S	9	0 DAYS	3	18	0 DAYS	;
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	143	18.2	12.8	3.9	24.5	19.7	4.4	30.8	24.3	4.9
CONDITIONS:										
Acute Myocardial Infarction	4	0.0	23.3		0.0	30.6		0.0	35.8	
Congestive Heart Failure	6	16.7	18.0		16.7	27.1		33.3	34.2	
Pneumonia/Influenza	19	15.8	20.2		15.8	26.5		15.8	30.3	
Chronic Obstructive Pulmonary Disease	5	20.0	12.8		40.0	21.7		80.0	27.4	
Transient Cerebral Ischemia	3	0.0	2.8		0.0	6.4		0.0	10.6	
Stroke	3	66.7	23.3		100.0	34.3		100.0	40.3	
Hip Fracture	0									
Sepsis	8	25.0	29.5		62.5	43.6		75.0	50.3	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



SEA LEVEL HOSPITAL Medicare Provider Number: 340076

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	77.8 years	Cancer	6.3 %
Proportion female	51.7 %	Chronic cardiovascular disease	50.3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	21.7 %	Chronic renal disease	0.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	14.7 %
Admitted for elective procedure		Cerebrovascular degeneration	6.3 %
Admitted for emergency		Diabetes mellitus	14.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	91.5%	Hospital	5.6 Days
State	. =0.	State	9.4 Days
Outside State	3.8%	National	8.6 Days
Total	100.0%		

PROFILE:		SPECIALTY SERVICES:
Total Beds	4	Burn Unit No
Ownership/ControlChur	ch	Coronary Care Unit No
Case Mix Index (CMI) 1.016	64	Hospice Care No
STAFFING:		Intensive Care Unit No
Medical Residents/Interns	0	Organ Transplant No
Registered Nurses	4	Trauma Center No
Licensed Practical Nurses	0	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
		Alcohol/DrugNo
		RehabilitationYes
		Psychiatric Yes
		Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

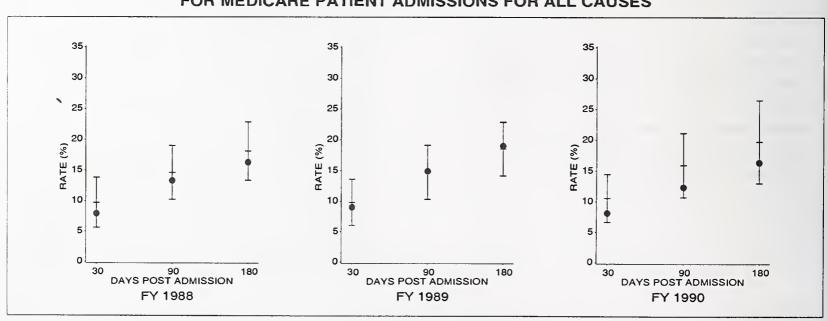
SLOOP MEMORIAL HOSPITAL

P O BOX 470 CROSSNORE, NC 28616 Medicare Provider Number: 340080

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				Mo	ORTALIT	YRATE	S (%)			
			30 DAY	s	9	DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	332	8.1	10.5	2.0	12.3	15.9	2.6	16.3	19.7	3.4
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	27.3		40.0	30.9		40.0	33.7	
Congestive Heart Failure	28	14.3	18.3		17.9	28.9		21.4	36.2	
Pneumonia/Influenza	28	7.1	15.0		21.4	21.0		25.0	25.0	
Chronic Obstructive Pulmonary Disease	10	10.0	8.9		10.0	15 .8		10.0	21.0	
Transient Cerebral Ischemia	7	0.0	0.8		0.0	2.0		0.0	3.6	
Stroke	19	21.1	24.1		31.6	31.3		31.6	36.0	
Hip Fracture	0									
Sepsis	2	0.0	29.7		0.0	37.0		0.0	40.9	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	9	0.0	5.1		0.0	8.7		0.0	10.6	
Hysterectomy	4	0.0	0.1		0.0	0.3		0.0	0.6	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.



SLOOP MEMORIAL HOSPITAL

Medicare Provider Number: 340080

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission	Cancer
	Chronic cardiovascular disease
Proportion female 63.0 %	Official cardiovascular discussioniminiminiminiminiminiminiminiminimini
ADMISSION SOURCES/TYPES:	Official also as a second seco
Referred by personal or HMO physician 19.3 %	Chronic renal disease 2.4 %
Transferred from skilled nursing facility 0.6 %	Chronic pulmonary disease 32.2 %
Admitted for elective procedure	Cerebrovascular degeneration 5.7 %
Admitted for emergency	Diabetes mellitus 7.2 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City		Hospital	4.8 Days 9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 199	90
PROFILE: Total Beds	SPECIALTY SERVICES: Burn Unit
Licensed Practical Nurses (Not Available) ** Except for CMI	Psychiatric No Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

SOUTHEAST SPECIALTY HOSPITAL

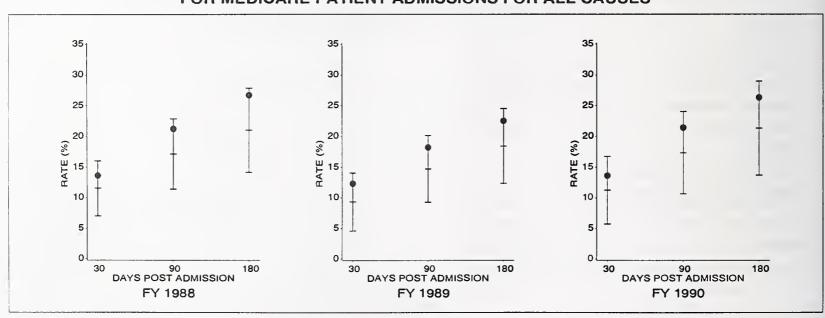
2401 SOUTHSIDE BLVD GREENSBORO, NC 27406 Medicare Provider Number: 340100

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	DRTALIT	YRATE	S (%)	•		
		30 DAYS		S	9	90 DAYS		18	180 DAYS	
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	243	13.6	11.2	2.8	21.4	17.3	3.4	26.3	21.3	3.8
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	34.1		50.0	36.7		50.0	39.4	
Congestive Heart Failure	20	20.0	14.4		35.0	23.4		45.0	29.4	
Pneumonia/Influenza	8	37.5	12.5		37.5	18.0		37.5	21.3	
Chronic Obstructive Pulmonary Disease	4	0.0	9.6		25.0	17.7		25.0	23.9	
Transient Cerebral Ischemia	3	0.0	2.7		0.0	6.6		0.0	11.1	
Stroke	10	40.0	15.9		40.0	20.9		40.0	23.8	
Hip Fracture	7	0.0	8.3		0.0	15.5		14.3	20.5	
Sepsis	7	71.4	37.2		71.4	46.9		85.7	52.4	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.2		0.0	9.0		0.0	11.2	*****
Open Reduction of Hip Fracture	1	0.0	4.2		0.0	8.3		0.0	10.7	
Prostatectomy	4	0.0	8.0		0.0	1.8		0.0	3.2	
Cholecystectomy	2	0.0	3.1		0.0	5.0		0.0	6.0	
Hysterectomy	1	0.0	0.1		0.0	0.1		0.0	0.2	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (*2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



SOUTHEAST SPECIALTY HOSPITAL Medicare Provider Number: 340100

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:
Average age at admission 74.3 years	Cancer
Proportion female 56.4 %	Chronic cardiovascular disease 42.8 %
ADMISSION SOURCES/TYPES:	Chronic liver disease 1.2 %
Referred by personal or HMO physician 39.5 %	Chronic renal disease 0.8 %
Transferred from skilled nursing facility 2.1 %	Chronic pulmonary disease 10.3 %
Admitted for elective procedure 8.2 %	Cerebrovascular degeneration 7.8 %
Admitted for emergency 60.5 %	Diabetes mellitus 10.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	86.9%	Hospital	12.3 Days
State	10.7%	State	9.4 Days
Outside State	2.4%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	90
PROFILE:	SPECIALTY SERVICES:
Total Beds 87	Burn Unit No
Occupancy Rate 89.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges(Not Available)	Hospice Care No
Case Mix Index (CMI) 1.2284	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians48	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
Registered Nurses 34	Rehabilitation No
Licensed Practical Nurses	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

SOUTHEASTERN GENERAL HOSPITAL

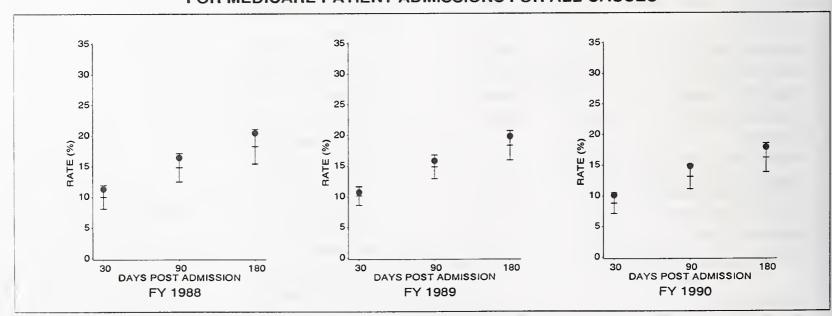
300 W 27 ST LUMBERTON, NC 28358 Medicare Provider Number: 340050

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
			30 DAY	S	9	0 DAYS	3	180 DAYS			
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2013	10.1	8.8	0.9	14.8	13.1	1.0	17.9	16.2	1.2	
CONDITIONS:											
Acute Myocardial Infarction	64	37.5	26.1	7.2	43.8	28.8	8.3	45.3	31.5	8.2	
Congestive Heart Failure	138	12.3	13.5	4.7	20.3	21.3	3.7	27.5	27.1	3.8	
Pneumonia/Influenza	82	14.6	15.4	4.1	23.2	21.0	5.0	25.6	24.4	5.0	
Chronic Obstructive Pulmonary Disease	46	2.2	4.8		8.7	9.2		10.9	12.9		
Transient Cerebral Ischemia	30	3.3	1.3		6.7	2.9		6.7	4.6		
Stroke	90	22.2	18.4	5.2	31.1	24.4	8.1	33.3	28.0	7.	
Hip Fracture	44	9.1	7.8		11.4	13.2		13.6	16.6		
Sepsis	45	24.4	22.4		24.4	29.1		31.1	33.1		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	12	0.0	3.3		8.3	6.5		8.3	9.6		
Carotid Endarterectomy	15	0.0	1.2		0.0	2.4		6.7	3.7		
Hip Replacement/Reconstruction	21	9.5	6.4		9.5	11.4		9.5	14.6		
Open Reduction of Hip Fracture	30	6.7	6.6		10.0	11.5		13.3	14.7		
Prostatectomy	50	0.0	1.5		0.0	3.4		4.0	5.7		
Cholecystectomy	40	2.5	2.8		2.5	5.0		2.5	6.4		
Hysterectomy	13	0.0	0.1		0.0	0.3		0.0	0.5		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



SOUTHEASTERN GENERAL HOSPITAL Medicare Provider Number: 340050

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	71.2 years	Cancer	5.2 %
Proportion female	55.6 %	Chronic cardlovascular disease	36.8 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	21.0 %	Chronic renal disease	3.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	18.3 %
Admitted for elective procedure		Cerebrovascular degeneration	2.9 %
Admitted for emergency		Diabetes mellitus	12.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State	83.6% 14.5%	State National	9.4 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 281	Burn Unit No
Occupancy Rate 68.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 30.1 %	Hospice Care Yes
Case Mix Index (CMI) 1.2018	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 72	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
_	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugYes
Registered Nurses 186	Rehabilitation No
Licensed Practical Nurses	Psychiatric Yes
	Medicare Swing Beds No
** Except for CMI	

^{*} Not used in calculating mortality rates

ST JOSEPHS HOSPITAL

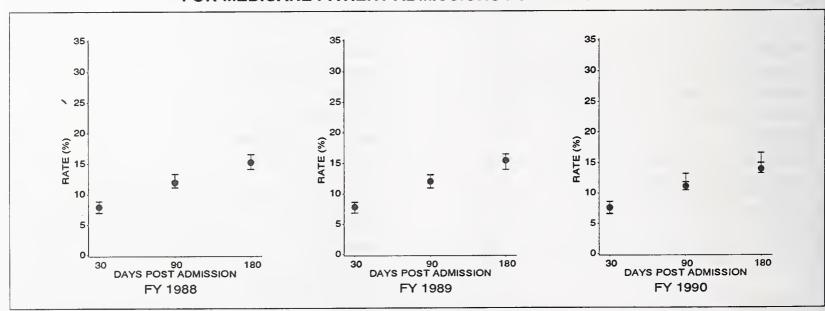
428 BILTMORE AVE ASHEVILLE, NC 28801 Medicare Provider Number: 340105

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MORTALITY RATES (%)									
	NUMBER OF CASES	3	0 DAY	S	9	90 DAYS			180 DAYS				
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*			
ALL CAUSES	4094	7.6	7.6	0.5	11.1	11.8	0.7	13.9	14.9	8.0			
CONDITIONS:													
Acute Myocardial Infarction	113	24.8	22.5	4.8	26.5	25.5	6.1	30.1	28.2	6.9			
Congestive Heart Failure	129	16.3	14.4	4.7	24.8	22.9	3.9	30.2	29.1	4.3			
Pneumonia/Influenza	138	11.6	14.9	3.3	15.2	20.6	4.2	18.8	24.3	4.5			
Chronic Obstructive Pulmonary Disease	62	14.5	6.1	5.1	17.7	11.1	5.7	22.6	15.0	5.8			
Transient Cerebral Ischemia	47	4.3	1.9		12.8	4.4		14.9	7.3				
Stroke	154	18.8	20.3	4.2	22.1	27.8	5.1	25.3	32.0	5.5			
Hip Fracture	163	4.9	6.0	2.2	8.6	10.5	3.4	9.2	13.5	4.4			
Sepsis	35	20.0	25.0		25.7	31.4	•••••	28.6	35.6				
PROCEDURES:													
Angioplasty	2	0.0	5.6		0.0	6.4		0.0	7.4				
Coronary Artery Bypass Graft	0												
Initial Pacemaker Insertion	20	0.0	3.6		5.0	6.7		5.0	9.3				
Carotid Endarterectomy	15	6.7	1.4		6.7	2.6		6.7	3.8				
Hip Replacement/Reconstruction	142	2.1	2.7	1.4	4.9	4.7	2.2	4.9	6.2	2.6			
Open Reduction of Hip Fracture	77	5.2	5.2	2.7	6.5	9.7	4.1	6.5	12.9	5.3			
Prostatectomy	289	0.0	0.8	0.8	1.7	1.8	8.0	2.1	3.1	1.4			
Cholecystectomy	92	2.2	2.1	1.7	3.3	3 .9	2.2	6.5	5.3	3.0			
Hysterectomy	43	0.0	0.6		0.0	1.4		0.0	2.4				

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST JOSEPHS HOSPITAL

Medicare Provider Number: 340105

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.0 years	Cancer	7.5 %
Proportion female	57.5 %	Chronic cardiovascular disease	28.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.9 %
Referred by personal or HMO physician	44.4 %	Chronic renal disease	1.5 %
Transferred from skilled nursing facility	0.5 %	Chronic pulmonary disease	15.6 %
Admitted for elective procedure	28.8 %	Cerebrovascular degeneration	4.6 %
Admitted for emergency	47.0 %	Diabetes mellitus	6.9 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	72.4%	Hospital	8.8 Days
State	24.3%	State	9.4 Days
Outside State	3.3%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey	
PROFILE:	SPECIALTY SERVICES:
Total Beds	Burn Unit No
Occupancy Rate 80.0 %	Cardiac Intensive Care Yes
Ownership/Control Church	Comprehensive Geriatric No
Medicare Discharges 44.3 %	Hospice Care No
Case Mix Index (CMI) 1.3492	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists 75.7 %	Trauma Center
Medical Residents/Interns 0	OTHER SPECIAL TY/HOSPITAL-BASED SERVICES.
Registered Nurses	Alcohol/Drug
Licensed Practical Nurses 57	Renabilitation
	Psychiatric

^{*} Not used in calculating mortality rates

ST LUKES HOSPITAL

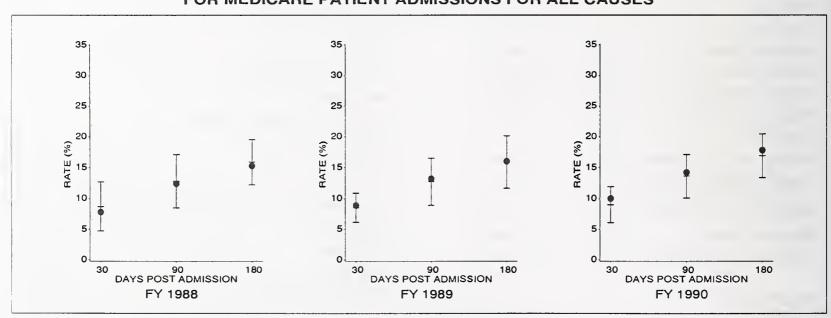
220 HOSPITAL DR COLUMBUS, NC 28722 Medicare Provider Number: 340018

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
			30 DAY	S	9	0 DAYS	3	18	0 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	607	10.0	9.0	1.5	14.2	13.6	1.8	17.8	16.9	1.8	
CONDITIONS:											
Acute Myocardial Infarction	8	37.5	28.6		37.5	31.6		37.5	34.5		
Congestive Heart Failure	26	11.5	14.5		30.8	22.6		34.6	28.5		
Pneumonia/Influenza	41	19.5	13.8		22.0	19.0		26.8	22.5		
Chronic Obstructive Pulmonary Disease	11	9.1	9.3		9.1	15.4		18.2	19.5		
Transient Cerebral Ischemia	5	0.0	1.2		0.0	2.7		0.0	4.5		
Stroke	32	15.6	20.1		18.8	25.6		18.8	29.2		
Hip Fracture	19	0.0	5.0		0.0	8.9		0.0	11.5		
Sepsis	6	16.7	24.2		16.7	35.3		50.0	40.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	5	0.0	2.7		0.0	5.2		0.0	7.0		
Carotid Endarterectomy	2	0.0	1.0		0.0	1.8		0.0	2.7		
Hip Replacement/Reconstruction	5	0.0	1.7	****	0.0	3.5		0.0	5.2		
Open Reduction of Hip Fracture	14	0.0	4.2		0.0	7.9		0.0	10.5		
Prostatectomy	20	0.0	0.5		5.0	1.1		5.0	2.1		
Cholecystectomy	16	0.0	2.1		6.3	3.5		6. 3	4.7		
Hysterectomy	5	0.0	0.1	****	0.0	0.1		0.0	0.2		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



ST LUKES HOSPITAL Medicare Provider Number: 340018

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	76.5 years	Cancer 6.8	3 %
Proportion female	58.2 %	Chronic cardiovascular disease 31.6	3 %
ADMISSION SOURCES/TYPES:		Chronic liver disease 0.5	5 %
Referred by personal or HMO physician	35.4 %	Chronic renal disease 1.5	5 %
Transferred from skilled nursing facility		Chronic pulmonary disease 8.	7 %
Admitted for elective procedure		Cerebrovascular degeneration 5.	6 %
Admitted for emergency		Diabetes mellitus 5.	8 %
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ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State	66.4% 7.4%	State National	6.9 Days 9.4 Days 8.6 Days
Total			

Occupancy Rate 76.0 % Cardiac Intensive Care No Ownership.Control Private, Non-Profit Comprehensive Geriatric Yes Medicare Discharges 62.6 % Hospice Care No Case Mix Index (CMI) 1.1486 Medical/Surgical Intensive Care Yes STAFFING: Organ/Tissue Transplant No Total Number of Physicians 35 Other Intensive Care No Percent of Physicians Board Certified Specialists 85.7 % Trauma Center No Medical Residents/Interns 0 Alcohol/Drug No Alcohol/Drug No No Rehabilitation No	ROFILE:	SPECIALTY SERVICES:
Ownership.Control	Total Beds 52	Burn Unit No
Ownership.Control	Occupancy Rate 76.0 %	Cardiac Intensive Care No
Case Mix Index (CMI)		Comprehensive Geriatric Yes
Total Number of Physicians	Medicare Discharges 62.6 %	Hospice Care N
Total Number of Physicians	Case Mix Index (CMI) 1.1486	Medical/Surgical Intensive CareYes
Percent of Physicians Board Certified Specialists	TAFFING:	Organ/Tissue Transplant N
Certified Specialists 85.7 % Medical Residents/Interns 0 Registered Nurses 46 Licensed Bragging Nurses 16	Total Number of Physicians	Other Intensive Care N
Medical Residents/Interns 0 Registered Nurses 46 Rehabilitation N	Percent of Physicians Board	Trauma Center N
Registered Nurses 46 Rehabilitation N		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses 46 Rehabilitation N	Medical Residents/Interns 0	Alcohol/DrugN
Licensed Proving Nurses 16	Registered Nurses46	
	Licensed Practical Nurses	Psychiatric N

^{*} Not used in calculating mortality rates

STANLY MEMORIAL HOSPITAL INC

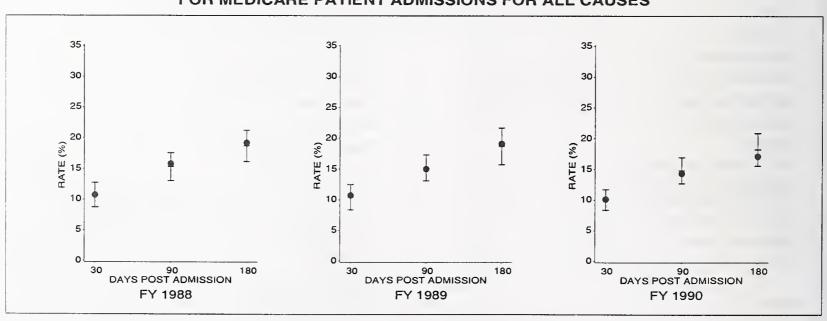
301 YADKIN ST, BOX 1489 ALBEMARLE, NC 28001 Medicare Provider Number: 340119

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				Mo	ORTALIT	Y RATE	S (%)			
			30 DAYS			90 DAYS			0 DAYS	}
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1269	10.1	10.0	0.8	14.3	14.8	1.1	17.1	18.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	50	44.0	29.6		46.0	32.9		48.0	35.7	
Congestive Heart Failure	93	12.9	14.5	3.9	21.5	22.5	4.5	25.8	28.6	5.9
Pneumonia/Influenza	49	16.3	14.9		20.4	20.8		22.4	24.4	
Chronic Obstructive Pulmonary Disease	8	12.5	7.3		25.0	13.7		25.0	19.5	
Transient Cerebral Ischemia	9	0.0	1.6		0.0	3.8		0.0	6.6	
Stroke	74	21.6	18.5	5.6	27.0	24.8	6.2	29.7	28.5	5.5
Hip Fracture	47	8.5	6.7		12.8	11.8		19.1	15.1	
Sepsis	13	30.8	25.9		38.5	33.8		46.2	38.0	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	4.7		5.9	8.4		11.8	11.0	
Open Reduction of Hip Fracture	21	14.3	5.6		19.0	10.3		28.6	13.7	
Prostatectomy	46	2.2	1.1		2.2	2.5		2.2	4.2	
Cholecystectomy	31	0.0	1.6		0.0	2.8		3.2	3.5	
Hysterectomy	7	0.0	0.6		0.0	1.4		0.0	2.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



STANLY MEMORIAL HOSPITAL INC Medicare Provider Number: 340119

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.7 years	Cancer	4.6 %
Proportion female	59.4 %	Chronic cardiovascular disease	43.2 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.4 %
Referred by personal or HMO physician	39.3 %	Chronic renal disease	3.5 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	17.5 %
Admitted for elective procedure	0.0 %	Cerebrovascular degeneration	6.2 %
Admitted for emergency	6.9 %	Diabetes mellitus	9.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	87.6% 11.3% 1.1%	Hospital State National	7.7 Days 9.4 Days 8.6 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 19	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 124	Burn Unit No
Occupancy Rate 59.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 42.3 %	Hospice Care No
Case Mix Index (CMI) 1.2207	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
Certified Specialists 80.0 %	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/Drug No
Registered Nurses 90	RehabilitationNo
Licensed Practical Nurses	Psychiatric
** Except for CMI	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

STOKES-REYNOLDS MEMORIAL HOSPITAL

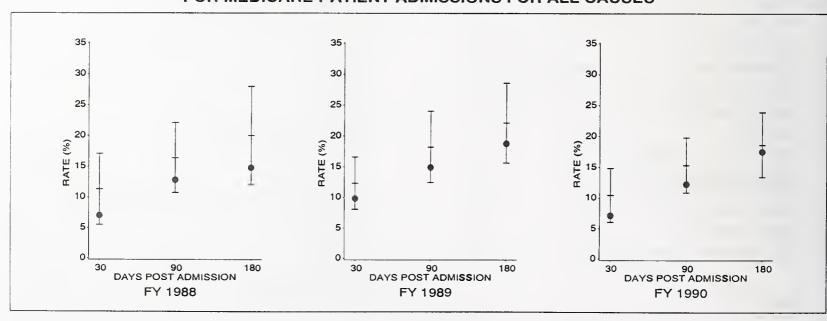
HWY 8 & 89, BOX 10 DANBURY, NC 27016 Medicare Provider Number: 340019

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				Me	ORTALIT	Y RATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	\$
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	овѕ	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	378	7.1	10.4	2.2	12.2	15.3	2.2	17.5	18.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	24.5		33.3	27.5		44.4	30.0	
Congestive Heart Failure	19	0.0	12.9		26.3	21.6		31.6	27.8	
Pneumonia/Influenza	66	7.6	15.2	5.4	15.2	21.2	5.6	21.2	24.5	5.5
Chronic Obstructive Pulmonary Disease	4	0.0	8.4		0.0	14.4		0.0	18.9	
Transient Cerebral Ischemia	2	0.0	1.0		0.0	2.2		0.0	3.8	
Stroke	53	7.5	14.8	7.0	9.4	21.5	8.2	17.0	25.4	9.4
Hip Fracture	3	0.0	6.2		33.3	10.3	•	33.3	13.9	
Sepsis	4	25.0	19.9		50.0	25.8		50.0	28 .9	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	9.0		50.0	14.6		50.0	19.3	
Open Reduction of Hip Fracture	1	0.0	2.7		0.0	4.9		0.0	6.6	
Prostatectomy	0									
Cholecystectomy	5	0.0	0.6		0.0	1.2		0.0	1.7	
Hysterectomy	2	0.0	0.1		0.0	0.2		0.0	0.4	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



STOKES-REYNOLDS MEMORIAL HOSPITAL Medicare Provider Number: 340019

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS: Average age at admission	COMORBIDITIES: Cancer
Transferred from skilled nursing facility 3.2 % Admitted for elective procedure	Chronic pulmonary disease

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	68.8% 30.2% 1.0%	Hospital State National	9.1 Days 9.4 Days 8.6 Days

PROFILE:	SPECIALTY SERVICES:
	Burn Unit
Total Deus	Cardiac Intensive Care
Occupancy Rate 78.0 %	Caldiac interisive Caro
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 52.1 %	Hospice Care Yes
Case Mix Index (CMI) 1.1211	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians9	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/DrugNo
Registered Nurses	Rehabilitation No
Licensed Practical Nurses 12	
	Psychiatric No Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

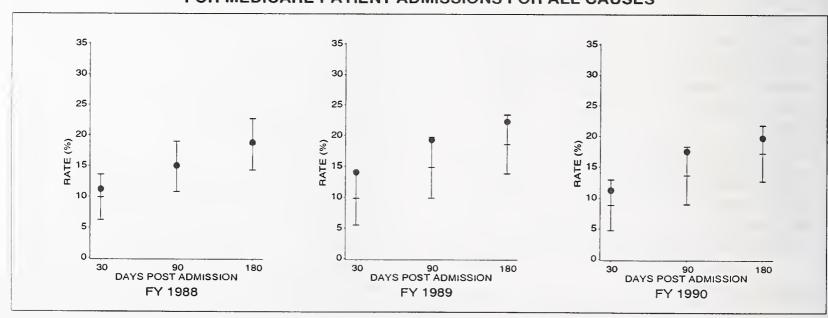
SWAIN COUNTY HOSPITAL
965 PLATEAU ST
BRYSON CITY, NC 28713
Medicare Provider Number: 340031

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	Y RATE	S (%)			
		3	0 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	365	11.2	8.8	2.1	17.5	13.6	2.3	19.7	17.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	20.4		27.3	23.0		27.3	25.8	
Congestive Heart Failure	20	25.0	13.7		35.0	22.4		35.0	29.2	
Pneumonia/Influenza	32	12.5	11.2		21.9	15.9		25.0	19.3	
Chronic Obstructive Pulmonary Disease	10	20.0	6.7		30.0	12.2		30.0	16.9	
Transient Cerebral Ischemia	16	0.0	1.4		0.0	3.4		0.0	6.0	
Stroke	14	21.4	20.0		35.7	27.2		35.7	32.1	
Hip Fracture	7	0.0	3.6		14.3	6.8		14.3	9.4	
Sepsis	3	33.3	28.1		33.3	34.3		33.3	37.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.9		0.0	6.9		0.0	9.0	
Open Reduction of Hip Fracture	1	0.0	3.6		100.0	7.8		100.0	11.8	
Prostatectomy	0									
Cholecystectomy	7	0.0	2.4		0.0	3.7		0.0	4.6	
Hysterectomy	2	0.0	0.9		0.0	2. 2		0.0	3.9	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (*2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



SWAIN COUNTY HOSPITAL

Medicare Provider Number: 340031

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	75.0 years	Cancer	5.8 %
Proportion female		Chronic cardiovascular disease	30.7 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.5 %
Referred by personal or HMO physician	89.6 %	Chronic renal disease	2.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	19.7 %
Admitted for elective procedure		Cerebrovascular degeneration	8.8 %
Admitted for emergency	1.6 %	Diabetes mellitus	7.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	62.5% 30.2%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	0.4.0
Outside State Total		National	6.0 Days

PROFILE:	SPECIALTY SERVICES:
Total Beds 42	Burn Unit No
Occupancy Rate 40.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 54.4 %	Hospice Care No
Case Mix Index (CMI) 1.0540	Medical/Surgical Intensive Care No
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians	Other Intensive Care No
Percent of Physicians Board Certified Specialists 50.0 %	Trauma Center No OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugNo
Registered Nurses 11	RehabilitationNo
Licensed Practical Nurses	Psychiatric No
** Except for CMI	Medicare Swing Beds

^{*} Not used in calculating mortality rates

THE BRUNSWICK HOSPITAL

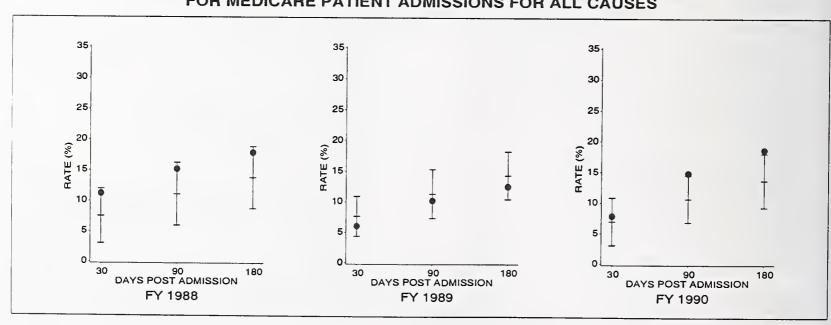
HIGHWAY 17 SOUTH, BOX 139 SUPPLY, NC 28462 Medicare Provider Number: 340158

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

			MORTALITY RATES (%)							
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	474	7.8	6.9	2.0	14.8	10.6	1.9	18.6	13.6	2.2
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	16.7		30.0	20.3		40.0	23.3	
Congestive Heart Failure	24	8.3	13.2		16.7	21.4		20.8	27.7	
Pneumonia/Influenza	25	8.0	7.1		20.0	10.3		32.0	12.9	
Chronic Obstructive Pulmonary Disease	3	0.0	3.4		33.3	6.1		33.3	8.7	
Transient Cerebral Ischemia	11	0.0	1.5		0.0	3.4		0.0	5.7	
Stroke	30	20.0	18.6		30.0	24.0		30.0	27.6	
Hip Fracture	21	4.8	5.3		19.0	9.4		23.8	12.2	
Sepsis	7	28.6	20.5		57.1	28.8		57.1	33.3	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	3.4		14.3	6.6		14.3	9.3	
Open Reduction of Hip Fracture	11	0.0	5.9		18.2	10.7		27.3	13.8	
Prostatectomy	1	0.0	0.2		0.0	0.6		0.0	1.1	
Cholecystectomy	3	0.0	3.6		0.0	6.6		0.0	8.6	
Hysterectomy	5	0.0	1.6		0.0	3.5		0.0	5.2	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



THE BRUNSWICK HOSPITAL

Medicare Provider Number: 340158

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:
Average age at admission 73.1 years	Cancer 2.5 %
Proportion female 57.0 %	Chronic cardiovascular disease 39.7 %
MISSION SOURCES/TYPES:	Chronic liver disease 1.5 %
Referred by personal or HMO physician 88.0 %	Chronic renal disease 1.7 %
Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease 29.3 %
Transferred from skilled flatoling facility filling	Cerebrovascular degeneration 3.8 %
Admitted for elective procedure	Diabetes mellitus
Admitted for emergency 36.1 %	

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	80.4% 12.8%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	5.8 Days 9.4 Days 8.6 Days
Total	100.0%		

SPECIALTY SERVICES:
Burn Unit No
Cardiac Intensive Care No
Comprehensive Geriatric No
Hospice CareYes
Medical/Surgical Intensive Care Yes
Organ/Tissue Transplant N
Other Intensive Care N
Trauma Center N OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Alcohol/DrugN
RehabilitationN
Psychiatric Ye

^{*} Not used in calculating mortality rates

THE MCDOWELL HOSPITAL

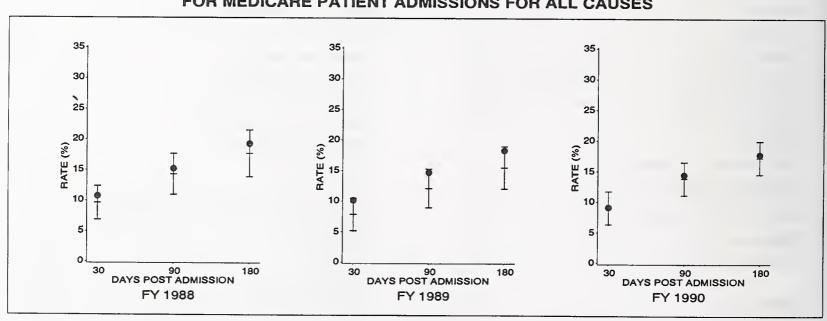
100 RANKIN DRIVE MARION, NC 28752 Medicare Provider Number: 340087

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	849	9.1	9.0	1.4	14.4	13.8	1.4	17.7	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	33	33.3	22.0		36.4	24.6		39.4	27.1	
Congestive Heart Failure	66	13.6	14.0	6.3	22.7	22.7	5.5	28.8	29.2	5.8
Pneumonia/Influenza	47	10.6	15.0		12.8	20.9		12.8	24.7	
Chronic Obstructive Pulmonary Disease	18	0.0	5.3		11.1	10.1		22.2	14.3	
Transient Cerebral Ischemia	8	0.0	1.0		0.0	2.5		0.0	4.4	
Stroke	29	20.7	19.3		31.0	24.8		34.5	28.0	
Hip Fracture	11	0.0	3.9		0.0	7.0		0.0	9.0	
Sepsis	13	30.8	23.7		30.8	32.9		46.2	38.2	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	5.4		0.0	9.3		0.0	12.4	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.1		0.0	7.9		0.0	10.7	
Open Reduction of Hip Fracture	4	0.0	3.1		0.0	5.9		0.0	7.7	
Prostatectomy	22	0.0	0.7		0.0	1.9		4.5	3.3	
Cholecystectomy	25	4.0	2.2		4.0	3.9		4.0	5.0	
Hysterectomy	6	0.0	0.2		0.0	0.5		0.0	0.9	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



THE MCDOWELL HOSPITAL Medicare Provider Number: 340087

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission 73.	9 years Ca	ancer	5.9 %
Proportion female 54.	1 % CI	hronic cardiovascular disease	31.6 %
DMISSION SOURCES/TYPES:	CI	hronic liver disease	0.9 %
Referred by personal or HMO physician 41.	2 % CI	hronic renal disease	3.3 %
		hronic pulmonary disease	16.4 %
Admitted for elective procedure 15.	4 % C	erebrovascular degeneration	2.2 %
Admitted for emergency 0		iabetes mellitus	11.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION:	MEDICARE AVERAGE LENGTH OF STAY:
County/City 89.5% State 9.5%	Hospital
Outside State	National 8.6 Day
Total 100.0%	

ROFILE:	SPECIALTY SERVICES:	
Total Beds 65	Burn Unit	No
Occupancy Rate 69.0 %	Cardiac Intensive Care .	No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric	No
Medicare Discharges 46.8 9	Hospice Care	No
Case Mix Index (CMI) 1.1439	Medical/Surgical Intensiv	/e Care Yes
TAFFING:	Organ/Tissue Transplan	N
Total Number of Physicians22	Other Intensive Care	N
Percent of Physicians Board Certified Specialists	Trauma Center	No
· · · · · · · · · · · · · · · · · · ·	OTHER SPECIALTY/HOS	SPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/Drug	N
Registered Nurses 6		N
Licensed Practical Nurses		N
		N

^{*} Not used in calculating mortality rates

THE MOSES H CONE MEMORIAL HOSPITAL

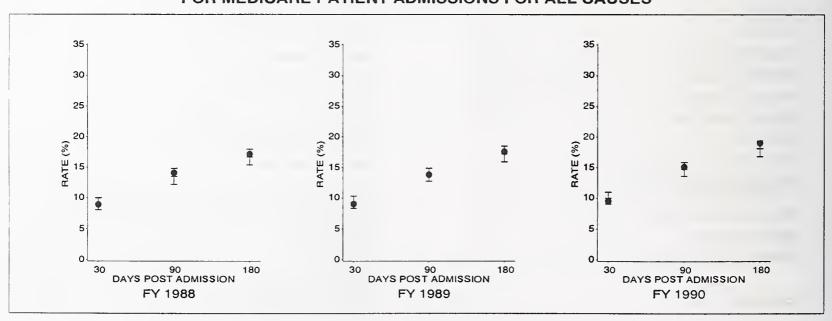
1200 N ELM ST GREENSBORO, NC 27401 Medicare Provider Number: 340091

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)										
			30 DAY	S	9	0 DAYS	3	18	180 DAYS			
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	4200	9.5	10.0	0.5	15.1	14.7	0.6	19.0	18.1	0.7		
CONDITIONS:												
Acute Myocardial Infarction	233	19.3	24.1	5.6	22.3	27.4	5.6	26.6	30.1	5.2		
Congestive Heart Failure	209	18.2	13.9	3.3	29.7	22.1	4.5	34.9	28.0	4.8		
Pneumonia/Influenza	115	15.7	15.0	4.0	20.9	20.7	4.2	27.8	24.6	5.0		
Chronic Obstructive Pulmonary Disease	28	3.6	11.7		21.4	19.2		35.7	24.4			
Transient Cerebral Ischemia	42	0.0	2.0		4.8	4.4		4.8	7.1			
Stroke	202	21.8	20.0	3.1	27.2	26.2	4.8	33.7	29.7	5.1		
Hip Fracture	92	4.3	6.7	3.4	7.6	11.8	5.1	9.8	15.2	6.3		
Sepsis	56	26.8	25.0	8.0	44.6	32.1	8.3	50.0	36.3	9.3		
PROCEDURES:												
Angioplasty	143	5.6	4.2	2.2	7.7	5.3	2.8	9.1	6.3	2.9		
Coronary Artery Bypass Graft	163	4.3	6.4	2.1	8.0	9.1	2.3	12.3	10.2	2.5		
Initial Pacemaker Insertion	49	4.1	3.1		4.1	6.1		4.1	9.0			
Carotid Endarterectomy	9	0.0	2.5		11.1	4.5		11.1	6.2			
Hip Replacement/Reconstruction	60	3.3	4.2	2.8	6.7	8.0	3.7	8.3	10.7	4.4		
Open Reduction of Hip Fracture	44	4.5	6.8		9.1	12.4		11.4	16.3			
Prostatectomy	135	0.7	1.3	2.3	8.1	3.0	3.1	10.4	5.0	3.1		
Cholecystectomy	90	1.1	2.4	2.2	4.4	4.1	3.5	4.4	5.4	3.4		
Hysterectomy	58	0.0	0.9	1.5	0.0	1.9	2.6	3.4	2.8	2.3		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



THE MOSES H CONE MEMORIAL HOSPITAL Medicare Provider Number: 340091

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	71.3 years	Cancer	8.7 %
Proportion female	53.9 %	Chronic cardlovascular disease	42.5 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	28.4 %	Chronic renal disease	6.5 %
Transferred from skilled nursing facility	0.1 %	Chronic pulmonary disease	16.6 %
Admitted for elective procedure	23.3 %	Cerebrovascular degeneration	3.0 %
Admitted for emergency	67.8 %	Diabetes mellitus	10.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVÉRAGE LENGTH OF STAY:	
County/City	68.8%	Hospital	11.5 Days
State	29.2%	State	9.4 Days
Outside State	2.0%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds 576	Burn Unit No
Occupancy Rate 86.0 %	Cardiac Intensive Care Yes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 28.9 %	Hospice CareYe
Case Mix Index (CMI) 1.6022	Medical/Surgical Intensive Care Ye
STAFFING:	Organ/Tissue Transplant N
Total Number of Physicians 416	Other Intensive Care N
Percent of Physicians Board Certified Specialists	Trauma Center Ye
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	Alcohol/DrugN
Registered Nurses 889	RehabilitationYe
Licensed Practical Nurses	Psychiatric Ye
	Medicare Swing Beds N

^{*} Not used in calculating mortality rates

TRANSYLVANIA COMMUNITY HOSPITAL INC

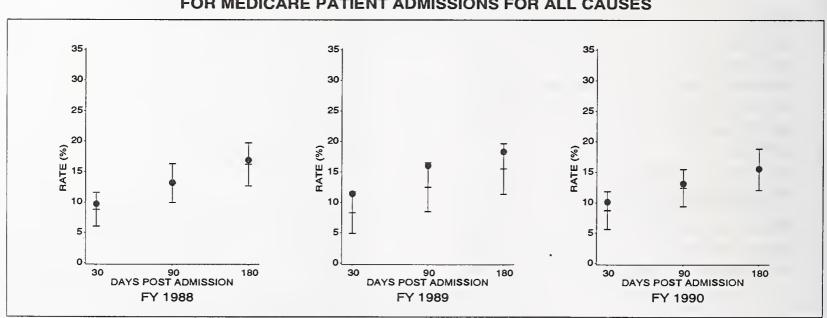
HOSPITAL DR, BOX 1116 BREVARD, NC 28712 Medicare Provider Number: 340088

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)				
			30 DAY	S	9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	556	10.1	8.7	1.6	13.1	12.4	1.5	15.5	15.4	1.7	
CONDITIONS:											
Acute Myocardial Infarction	44	15.9	27.3		15.9	30.1		18.2	32.8		
Congestive Heart Failure	27	18.5	13.1		22.2	21.1		29.6	26.8		
Pneumonia/Influenza	12	16.7	14.2		25.0	19.6		25.0	23.1		
Chronic Obstructive Pulmonary Disease	8	0.0	7.2		0.0	12.9		12.5	17.3		
Transient Cerebral Ischemia	3	33.3	4.0		33.3	9.4		33.3	14.4		
Stroke	20	40.0	21.8		45.0	27.1		45.0	30.7		
Hip Fracture	23	8.7	5.6		8.7	10.1		8.7	13.5		
Sepsis	1	0.0	59.2		100.0	69.7		100.0	75.3		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	14	7.1	3.2		7.1	6.1		7.1	8.3		
Open Reduction of Hip Fracture	13	7.7	4.9		7.7	9.0		7.7	12.2		
Prostatectomy	39	0.0	8.0		0.0	1.9		5.1	3.4		
Cholecystectomy	12	0.0	2.6		0.0	5.1		0.0	7.0		
Hysterectomy	6	0.0	1.2		0.0	2.7		0.0	4.2		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



TRANSYLVANIA COMMUNITY HOSPITAL INC Medicare Provider Number: 340088

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.8 years	Cancer	6.5 %
Proportion female	54.0 %	Chronic cardiovascular disease	29.0 %
OMISSION SOURCES/TYPES:		Chronic liver disease	1.1 %
Referred by personal or HMO physician	42.4 %	Chronic renal disease	1.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	11.7 %
Admitted for elective procedure		Cerebrovascular degeneration	2.2 %
Admitted for emergency		Diabetes mellitus	4.1 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

RIGIN OF MEDICARE PATIENT ADMISSION: County/City	% State	6.6 Days 9.4 Days 8.6 Days
Total	%	

ROFILE:	SPECIALTY SERVICES:
Total Beds 90	Burn Unit No
Occupancy Rate 53.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 38.4 %	Hospice CareYes
Case Mix Index (CMI) 1.1424	Medical/Surgical Intensive CareYes
STAFFING:	Organ/Tissue Transplant N
Total Number of Physicians	Other Intensive Care N
	Trauma Center N
Percent of Physicians Board Certified Specialists 91.3 %	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugYe
Registered Nurses	RehabilitationN
Licensed Practical Nurses	Psychiatric N
	Medicare Swing Beds N

^{*} Not used in calculating mortality rates

UNION MEMORIAL HOSPITAL

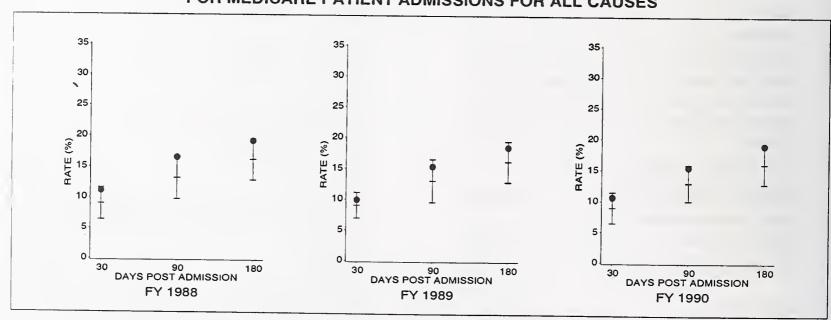
600 HOSPITAL DR, BOX 5003 MONROE, NC 28110 Medicare Provider Number: 340130

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)			
0475000	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD
ALL CAUSES	1161	10.6	8.9	1.3	15.4	12.9	1.5	18.9	15.9	1.6
CONDITIONS:								.0.0	10.0	1.0
Acute Myocardial Infarction	30	46.7	29.1		50.0	32.3		53.3	35.8	
Congestive Heart Failure	51	15.7	13.8	5.4	27.5	21.8	8.1	35.3	27.8	10.6
Pneumonia/Influenza	97	18.6	13.7	5.2	23.7	18.7	5.7	26.8	22.1	5.3
Chronic Obstructive Pulmonary Disease	8	12.5	7.9		12.5	13.6		12.5	18.3	
Transient Cerebral Ischemia	6	16.7	2.2		16.7	5.0		16.7	7.9	
Stroke	63	23.8	17.0	5.6	33.3	23.0	7.4	42.9	26.7	9.0
Hip Fracture	57	1.8	4.7	3.8	10.5	8.7	4.7	12.3	11.5	4.3
Sepsis	18	27.8	23.1		38.9	30.4		50.0	34.5	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.9		0.0	8.6		25.0	13.3	
Carotid Endarterectomy	1	0.0	1.2		0.0	2.1		0.0	3.2	
Hip Replacement/Reconstruction	25	0.0	3.6		12.0	7.0		16.0	9.5	
Open Reduction of Hip Fracture	26	0.0	3.8		0.0	7.4	••••	0.0	10.0	
Prostatectomy	46	0.0	1.0		2.2	2.1		4.3	3.5	••••
Cholecystectomy	26	3.8	1.7		3.8	3.0		3.8	4.0	
Hysterectomy	15	0.0	0.1		0.0	0.2		0.0	0.5	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



UNION MEMORIAL HOSPITAL

Medicare Provider Number: 340130

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.6 years	Cancer	3.4 %
Proportion female		Chronic cardiovascular disease	36.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physician	40.1 %	Chronic renal disease	2.8 %
Transferred from skilled nursing facility		Chronic pulmonary disease	12.1 %
Admitted for elective procedure		Cerebrovascular degeneration	3.5 %
Admitted for emergency		Diabetes mellitus	7.5 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	67.3%	Hospital	9.4 Days
Outside State		National	8.6 Days
Total			

PROFILE:	SPECIALTY SERVICES:
Total Beds 176	Burn Unit No
Occupancy Rate 80.0 %	Cardiac Intensive Care Yes
Ownership.Control Private, Non-Profit	Comprehensive Geriatric Yes
Medicare Discharges 35.5 %	Hospice Care No
Case Mix Index (CMI) 1.3026	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 60	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns (Not Available)	Alcohol/DrugNo
Registered Nurses (Not Available)	Rehabilitation No
Licensed Practical Nurses (Not Available)	Psychiatric No
	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

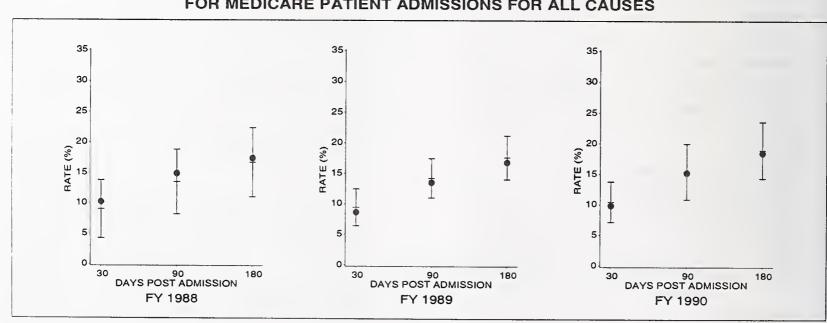
UNIVERSITY MEMORIAL HOSPITAL 8700 HWY 29 N, BOX 560727 CHARLOTTE, NC 28256 Medicare Provider Number: 340166

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				М	ORTALIT	Y RATE	S (%)				
	NUMBER OF CASES	30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	571	9.8	10.4	1.7	15.2	15.4	2.3	18.4	18.9	2.3	
CONDITIONS:											
Acute Myocardial Infarction	25	20.0	24.3		24.0	27.9		24.0	30.9		
Congestive Heart Failure	25	16.0	13.2		24.0	20.8		32.0	26.6		
Pneumonia/Influenza	41	7.3	14.2		9.8	19.1		12.2	22.6		
Chronic Obstructive Pulmonary Disease	12	8.3	9.3		8.3	15.7		16.7	20.2		
Transient Cerebral Ischemia	10	0.0	1.1		0.0	2.6		0.0	4.3		
Stroke	24	0.0	18.2		8.3	26.8		12.5	31.2		
Hip Fracture	30	3.3	5.4		16.7	9.8		20.0	13.0		
Sepsis	15	26.7	23.0		33.3	28.8		33.3	33.5		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	5	0.0	2.3		40.0	5.1		40.0	7.8		
Carotid Endarterectomy	1	0.0	1.2		0.0	2.3		0.0	3.2		
Hip Replacement/Reconstruction	18	0.0	4.7		16.7	8.5		22.2	11.2		
Open Reduction of Hip Fracture	13	0.0	5.6		15.4	10.3		15.4	13.9		
Prostatectomy	27	0.0	1.1		0.0	2.7		0.0	4.7		
Cholecystectomy	25	4.0	2.9		4.0	5.3		4.0	7.0		
Hysterectomy	4	0.0	0.5		0.0	1.2		0.0	1.9		

^{*} The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



UNIVERSITY MEMORIAL HOSPITAL Medicare Provider Number: 340166

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.8 years	Cancer	6.8 %
Proportion female	57.3 %	Chronic cardiovascular disease	38.4 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physician	3.9 %	Chronic renal disease	1.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	18.0 %
Admitted for elective procedure		Cerebrovascular degeneration	7 .7 %
Admitted for emergency		Diabetes mellitus	11.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION: 70.7% County/City 70.7% State 25.0% Outside State 4.3% Total 100.0%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	8.9 Days 9.4 Days 8.6 Days
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ROFILE:		SPECIALTY SERVICES:
Total Beds	85	Burn Unit No
Occupancy Rate	47.0 %	Cardiac Intensive Care No
Ownership/Control		Comprehensive Geriatric No
Medicare Discharges		Hospice Care No
Case Mix Index (CMI)	1.3724	Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	175	Other Intensive Care No
Percent of Physicians Board Certified Specialists		Trauma Center No
Certified Specialists	83.4 %	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	0	Alcohol/Drug No
Registered Nurses	114	Rehabilitation No
Licensed Practical Nurses	9	Psychiatric No
		Medicare Swing Beds No

^{*} Not used in calculating mortality rates

UNIVERSITY OF NORTH CAROLINA HOSPITAL

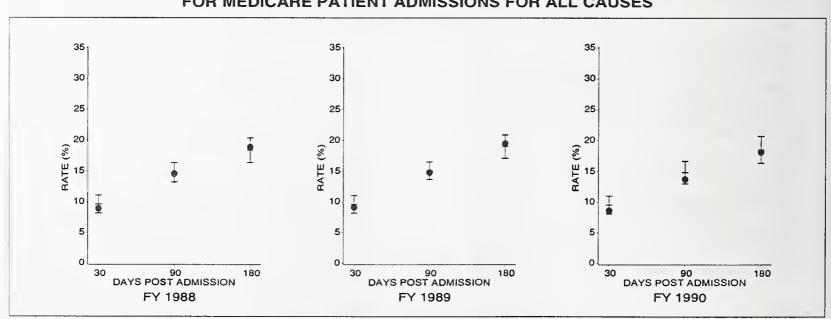
UNIVERSITY OF NORTH CAROLINA CHAPEL HILL, NC 27514 Medicare Provider Number: 340061

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)									
	NUMBER OF CASES		30 DAY	S	9	90 DAYS			180 DAYS		
CATEGORY		OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2839	8.6	9.5	0.7	13.7	14.8	0.9	18.1	18.5	1.1	
CONDITIONS:											
Acute Myocardial Infarction	99	16.2	22.9	7.5	20.2	26.6	8.0	23.2	29.7	7.6	
Congestive Heart Failure	101	8.9	11.9	3.9	15.8	19.6	4.8	26.7	25.2	4.5	
Pneumonia/Influenza	97	12.4	15.4	5.1	16.5	21.3	7.1	19.6	25.2	7.3	
Chronic Obstructive Pulmonary Disease	40	7.5	8.1		15.0	14.1		17.5	18.3		
Transient Cerebral Ischemia	29	0.0	2.7		13.8	5.6		17.2	8.3		
Stroke	88	22.7	20.0	4.6	27.3	26.2	5.1	28.4	29.6	5.2	
Hip Fracture	39	10.3	6.7		20.5	11.6		23.1	14.7		
Sepsis	20	25.0	25.1		35.0	34.3		40.0	39.4		
PROCEDURES:											
Angioplasty	27	0.0	3.4		0.0	4.2		0.0	5.0		
Coronary Artery Bypass Graft	37	13.5	6.2		13.5	8.5		13.5	9.5		
Initial Pacemaker Insertion	16	0.0	3.8		0.0	7.3		12.5	10.4		
Carotid Endarterectomy	11	0.0	1.3		0.0	2.4		0.0	3.5		
Hip Replacement/Reconstruction	51	2.0	2.3	2.5	7.8	3.8	3.7	7.8	4.9	4.2	
Open Reduction of Hip Fracture	13	0.0	4.9		15.4	9.5		23.1	12.8		
Prostatectomy	46	2.2	0.8		2.2	2.0		8.7	3.4		
Cholecystectomy	33	3.0	4.3		6.1	7.9		12.1	10.2		
Hysterectomy	43	2.3	1.2		4.7	2.9		9.3	4.6		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



UNIVERSITY OF NORTH CAROLINA HOSPITAL Medicare Provider Number: 340061

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	COMORBIDITIES:
Average age at admission 67.9 years	Cancer 11.7 %
Proportion female 50.6 %	Chronic cardiovascular disease 36.1 %
DMISSION SOURCES/TYPES:	Chronic liver disease
Referred by personal or HMO physician 5.6 %	Chronic renal disease 6.1 %
Transferred from skilled nursing facility 0.2 %	Chronic pulmonary disease 14.1 %
Admitted for elective procedure 30.6 %	Cerebrovascular degeneration 4.4 %
Admitted for emergency	Diabetes mellitus 10.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N :	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	23.7%	Hospital	9.8 Days
State	72.5%	State	9.4 Days
Outside State	3.8%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of	f Hospitals** - Survey Year 1	990
PROFILE:		SPECIALTY SERVICES:
Total Beds	578	Burn Unit Yes
Occupancy Rate	82.0 %	Cardiac Intensive Care Yes
Ownership/Control	State Government	Comprehensive Geriatric Yes
Medicare Discharges	24.1 %	Hospice Care No
Case Mix Index (CMI)	1.5369	Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant Yes
Total Number of Physicians	698	Other Intensive Care No
Percent of Physicians Board Certified Specialists	70.5.0/	Trauma Center Yes
· · · · · · · · · · · · · · · · · · ·		OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns		Alcohol/Drug No
Registered Nurses		RehabilitationYes
Licensed Practical Nurses	123	Psychiatric Yes
** Except for CMI		Medicare Swing Beds No

^{*} Not used in calculating mortality rates

US PHS INDIAN HOSPITAL

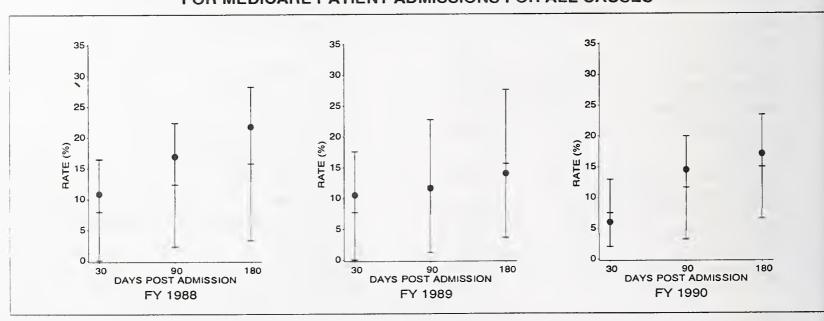
CHEROKEE, NC 28719 Medicare Provider Number: 340156

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)			
		3	BO DAY	3	9	0 DAYS	3	18	0 DAYS	
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	117	6.0	7.5	2.7	14.5	11.6	4.2	17.1	15.0	4.2
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	20.4		0.0	21.5		0.0	22.9	
Congestive Heart Failure	6	0.0	16.4		0.0	27.3		33.3	35.6	
Pneumonia/Influenza	6	16.7	21.1		16.7	27.8		16.7	32.3	
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	3	0.0	14.1		33.3	17.5		33.3	20.2	
Hip Fracture	1	0.0	7.6		0.0	14.3		0.0	18.2	
Sepsis	3	66.7	32.5		66.7	38.6		66.7	43.0	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



US PHS INDIAN HOSPITAL Medicare Provider Number: 340156

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	71.1 years	Cancer	3.4 %
Proportion female	56.4 %	Chronic cardiovascular disease	18.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	2.6 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	7.7 %
Transferred from skilled nursing facility		Chronic pulmonary disease	9.4 %
Admitted for elective procedure		Cerebrovascular degeneration	6.8 %
Admitted for emergency		Diabetes mellitus	13.7 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	36.0%	Hospital	6.0 Days 9.4 Days 8.6 Days
Outside State		National	6.0 Days

ROFILE:	SPECIALTY SERVICES:
Total Beds 29	Burn Unit No
Occupancy Rate 62.0 %	Cardiac Intensive Care No
Ownership/Control Federal Government	Comprehensive Geriatric No
Medicare Discharges(Not Available)	Hospice Care No
Case Mix Index (CMI) 0.8427	Medical/Surgical Intensive Care No
TAFFING:	Organ/Tissue Transplant No
Total Number of Physicians9	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
-	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns0	Alcohol/DrugYes
Registered Nurses	RehabilitationNo
Licensed Practical Nurses 8	Psychiatric No
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

VALDESE GENERAL HOSPITAL INC

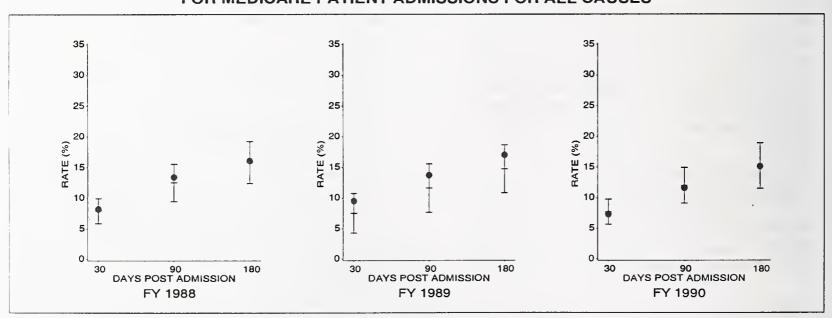
MALCOLM BLVD, BOX 700 VALDESE, NC 28690 Medicare Provider Number: 340055

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	S (%)			
		3	0 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	794	7.3	7.7	1.0	11.6	12.0	1.5	15.1	15.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	23.7		35.7	25.9		42.9	28.2	
Congestive Heart Failure	31	9.7	10.9		22.6	17.8		32.3	23.1	
Pneumonia/Influenza	68	14.7	16.0	6.0	19.1	22.0	7.1	26.5	25.5	9.0
Chronic Obstructive Pulmonary Disease	8	0.0	4.6		0.0	8.9		0.0	12.8	
Transient Cerebral Ischemia	11	0.0	1.0		0.0	2.5		9.1	4.4	
Stroke	24	8.3	19.8		16.7	26.6		16.7	30.4	
Hip Fracture	18	0.0	8.6		5.6	15.2		11.1	19.4	
Sepsis	5	0.0	26.1		20.0	33.5		20.0	39.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.5		0.0	3.0		0.0	4.4	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	4.4		0.0	8.0	*****	0.0	10.1	
Open Reduction of Hip Fracture	13	0.0	8.0		7.7	14.7		15.4	19.3	
Prostatectomy	16	0.0	1.1		0.0	2.6		0.0	4.7	
Cholecystectomy	23	0.0	1.1		0.0	1.9		0.0	2.6	
Hysterectomy	9	0.0	0.2		0.0	0.6		0.0	1.0	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



VALDESE GENERAL HOSPITAL INC Medicare Provider Number: 340055

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:	Cancer 7.2 %
Average age at admission 73.5 years	Canco
Proportion female 59.7 %	Chronic cardiovascular disease 38.2 %
DMISSION SOURCES/TYPES:	Chronic liver disease 0.8 %
Referred by personal or HMO physician 48.7 %	Chronic renal disease 1.8 %
Transferred from skilled nursing facility 1.6 %	Chronic pulmonary disease 26.1 %
Admitted for elective procedure	Cerebrovascular degeneration 3.5 %
	Diabetes mellitus 9.7 %
Admitted for emergency 10.6 %	Diabetes illenitus

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

RIGIN OF MEDICARE PATIENT ADM	IISSION:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	60.1%	Hospital	7.9 Days
State		State	9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

ROFILE:		SPECIALTY SERVICES:	
Total Beds	82	Burn Unit	No
Occupancy Rate 54.0) %	Cardiac Intensive Care	No
Ownership.Control Private, Non-Pro		Comprehensive Geriatric	No
Medicare Discharges 37.8		Hospice Care	No
Case Mix Index (CMI) 1.18	74	Medical/Surgical Intensive Care	Yes
STAFFING:		Organ/Tissue Transplant	No
Total Number of Physicians	33	Other Intensive Care	No
Percent of Physicians Board Certified Specialists	D 0/	Trauma Center	No
		OTHER SPECIALTY/HOSPITAL-BASED SERVICES	3:
Medical Residents/Interns	0	Alcohol/Drug	No
Registered Nurses 1		Rehabilitation	No
Licensed Practical Nurses	9	Psychiatric	No
		Medicare Swing Beds	No

^{*} Not used in calculating mortality rates

WAKE COUNTY HOSPITAL SYSTEM

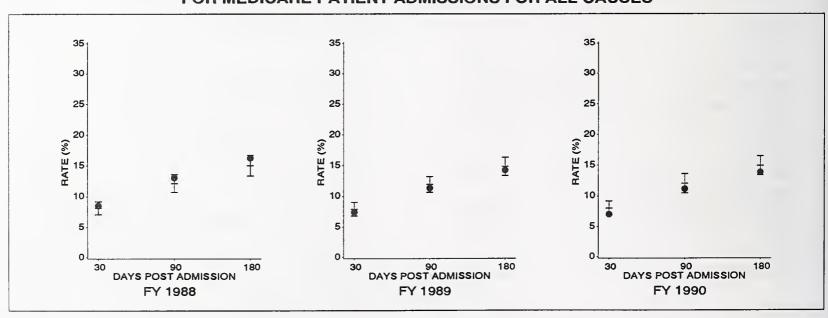
3000 NEW BERN AVE RALEIGH, NC 27610 Medicare Provider Number: 340069

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		S (%)								
	;	30 DAY	S	9	0 DAYS	3	18	180 DAYS		
	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
4288	7.0	8.0	0.6	11.1	12.0	8.0	13.8	14.9	0.8	
. 182	14.8	22.5	5.1	18.7	25.3	5.5	20.3	28.0	5.4	
. 206	14.6	12.2	3.8	24.8	19.6	4.5	29.6	25.5	4.3	
. 133	13.5	14.9	3.3	23.3	20.6	4.3	26.3	24.4	4.6	
. 34	5.9	8.5		11.8	14.7		17.6	19.1		
. 64	1.6	1.5	2.3	3.1	3.4	2.9	4.7	5.4	2.9	
. 184	15.8	20.0	3.7	21.7	25.8	4.0	26.1	29.3	3.7	
. 81	6.2	7.6	3.6	6.2	13.2	6.1	8.6	17.0	7.1	
. 50	28.0	24.1		38.0	32.3	****	54.0	36.9		
. 211	0.9	3.0	1.6	1.4	3.9	2.0	1.9	4.8	2.2	
299	3.0	6.3	1.9	4.0	9.0	2.3	5.0	10.2	2.5	
. 28	0.0	3.9		3.6	7.6		7.1	10.9		
62	1.6	1.5	1.5	1.6	2.8	2.3	3.2	4.1	2.8	
. 45	4.4	3.6		4.4	6.5		6.7	8.8		
. 45	6.7	6.9		6.7	12.3	••••	8.9	16.0		
. 86	4.7	1.3	2.5	8.1	3.1	3.6	9.3	5.2	4.0	
. 49	6.1	2.1		6.1	3.9		6.1	5.2		
. 21	0.0	0.2		0.0	0.4	••••	0.0	0.8		
	. 4288 . 182 . 206 . 133 . 34 . 64 . 184 . 81 . 50 . 211 . 299 . 28 . 62 . 45 . 45 . 86 . 49	NUMBER OF CASES OBS 4288 7.0 182 14.8 206 14.6 133 13.5 34 5.9 64 1.6 184 15.8 81 6.2 50 28.0 211 0.9 299 3.0 28 0.0 62 1.6 45 4.4 45 6.7 86 4.7 49 6.1	NUMBER OF CASES OBS PRED 4288 7.0 8.0 182 14.8 22.5 206 14.6 12.2 133 13.5 14.9 34 5.9 8.5 64 1.6 1.5 184 15.8 20.0 81 6.2 7.6 50 28.0 24.1 211 0.9 3.0 229 3.0 6.3 28 0.0 3.9 62 1.6 1.5 45 4.4 3.6 45 6.7 6.9 86 4.7 1.3 49 6.1 2.1	NUMBER OF CASES OBS PRED SD* 4288 7.0 8.0 0.6 182 14.8 22.5 5.1 206 14.6 12.2 3.8 133 13.5 14.9 3.3 34 5.9 8.5 64 1.6 1.5 2.3 184 15.8 20.0 3.7 81 6.2 7.6 3.6 50 28.0 24.1 211 0.9 3.0 1.6 299 3.0 6.3 1.9 28 0.0 3.9 62 1.6 1.5 1.5 45 4.4 3.6 45 6.7 6.9 86 4.7 1.3 2.5 49 6.1 2.1	NUMBER OF CASES OBS PRED SD* OBS 4288 7.0 8.0 0.6 11.1 . 182 14.8 22.5 5.1 18.7 . 206 14.6 12.2 3.8 24.8 . 133 13.5 14.9 3.3 23.3 . 34 5.9 8.5 11.8 . 64 1.6 1.5 2.3 3.1 . 184 15.8 20.0 3.7 21.7 . 81 6.2 7.6 3.6 6.2 . 50 28.0 24.1 38.0 . 211 0.9 3.0 1.6 1.4 . 299 3.0 6.3 1.9 4.0 . 28 0.0 3.9 3.6 . 62 1.6 1.5 1.5 1.6 . 45 4.4 3.6 4.4 . 45 6.7 6.9 6.7 . 86 4.7 1.3 2.5 8.1 . 49 6.1 2.1 6.1	NUMBER OF CASES OBS PRED SD* OBS PRED - 4288	NUMBER OF CASES OBS PRED SD* 4288 7.0 8.0 0.6 11.1 12.0 0.8 182 14.8 22.5 5.1 18.7 25.3 5.5 206 14.6 12.2 3.8 24.8 19.6 4.5 133 13.5 14.9 3.3 23.3 20.6 4.3 34 5.9 8.5 11.8 14.7 64 1.6 1.5 2.3 3.1 3.4 2.9 184 15.8 20.0 3.7 21.7 25.8 4.0 81 6.2 7.6 3.6 6.2 13.2 6.1 50 28.0 24.1 38.0 32.3 211 0.9 3.0 1.6 1.4 3.9 2.0 299 3.0 6.3 1.9 4.0 9.0 2.3 28 0.0 3.9 38.6 7.6 62 1.6 1.5 1.5 1.6 2.8 2.3 45 4.4 3.6 4.4 6.5 45 6.7 6.9 6.7 12.3 86 4.7 1.3 2.5 8.1 3.1 3.6 49 6.1 2.1 6.1 3.9	NUMBER OF CASES OBS PRED SD* OBS PRED SD* OBS PRED SD* OBS PRED SD* OBS . 4288 7.0 8.0 0.6 11.1 12.0 0.8 13.8 . 182 14.8 22.5 5.1 18.7 25.3 5.5 20.3 . 206 14.6 12.2 3.8 24.8 19.6 4.5 29.6 . 133 13.5 14.9 3.3 23.3 20.6 4.3 26.3 . 34 5.9 8.5 11.8 14.7 17.6 . 64 1.6 1.5 2.3 3.1 3.4 2.9 4.7 . 184 15.8 20.0 3.7 21.7 25.8 4.0 26.1 . 81 6.2 7.6 3.6 6.2 13.2 6.1 8.6 . 299 3.0 6.3 1.9 4.0 9.0 2.3 5.0 . 28 0.0 <td>NUMBER OF CASES OBS PRED SD* OBS SD* OBS PRED SD* OBS SD*</td>	NUMBER OF CASES OBS PRED SD* OBS SD* OBS PRED SD* OBS SD*	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WAKE COUNTY HOSPITAL SYSTEM Medicare Provider Number: 340069

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	70.8 years	Cancer	4.1 %
Proportion female	52.9 %	Chronic cardiovascular disease	50.1 %
DMISSION SOURCES/TYPES:		Chronic liver disease	0.7 %
Referred by personal or HMO physiclan	49.9 %	Chronic renal disease	5.8 %
Transferred from skilled nursing facility		Chronic pulmonary disease	19.8 %
Admitted for elective procedure		Cerebrovascular degeneration	4.4 %
Admitted for emergency		Diabetes mellitus	10.8 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSIO	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City State Outside State Total	54.2% 43.9% 1.9%	Hospital State National	9.4 Days

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	990
PROFILE:	SPECIALTY SERVICES:
Total Beds 626	Burn Unit No
Occupancy Rate 83.0 %	Cardiac Intensive Care Yes
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges 31.8 %	Hospice Care No
Case Mix Index (CMI) 1.7081	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 449	Other Intensive Care Yes
Percent of Physicians Board Certified Specialists	Trauma Center Yes OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns (Not Available)	Alcohol/DrugNo
Registered Nurses (Not Available)	RehabilitationYes
Licensed Practical Nurses (Not Available)	Psychiatric No
** Except for CMI	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

WASHINGTON COUNTY HOSPITAL

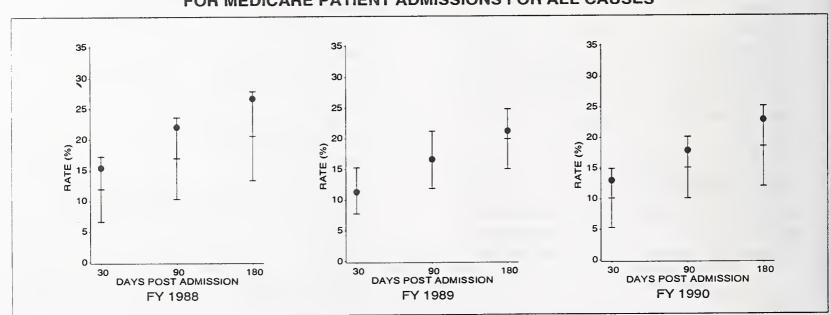
HIGHWAY 64 E
PLYMOUTH, NC 27962
Medicare Provider Number: 340112

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALIT	YRATE	S (%)			
			30 DAY	s	9	0 DAYS	3	18	0 DAYS	
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	262	13.0	10.1	2.4	17.9	15.1	2.5	22.9	18.6	3.3
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	27.2		40.0	28.9		40.0	31.0	
Congestive Heart Failure	25	8.0	12.6		24.0	20.3		32.0	25.5	
Pneumonia/Influenza	29	20.7	17.2		24.1	23.0		31.0	26.4	
Chronic Obstructive Pulmonary Disease	3	66.7	4.5		66.7	8.7		66.7	13.9	
Transient Cerebral Ischemia	5	20.0	1.6		20.0	3.6		20.0	5.6	
Stroke	19	31.6	22.6		31.6	30.0		47.4	33.7	
Hip Fracture	0									
Sepsis	4	0.0	15.6		0.0	18.7		50.0	22.0	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	0.8		0.0	1.5		0.0	2.2	
Hysterectomy	1	0.0	0.1		0.0	0.1		0.0	0.2	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WASHINGTON COUNTY HOSPITAL

Medicare Provider Number: 340112

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:	COMORBIDITIES:
Average age at admission 74.6 years	Cancer 4.2 %
Proportion female 63.0 %	Chronic cardiovascular disease 34.4 %
ADMISSION SOURCES/TYPES:	Chronic liver disease 0.8 %
Referred by personal or HMO physician 27.1 %	Chronic renal disease 2.3 %
Transferred from skilled nursing facility 0.0 %	Chronic pulmonary disease 5.3 %
Admitted for elective procedure 0.0 %	Cerebrovascular degeneration 3.4 %
Admitted for emergency 69.1 %	Diabetes mellitus 17.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	74.9%	Hospital	6.6 Days
State	24.4%	State	9.4 Days
Outside State	0.7%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds 34	Burn Unit No
Occupancy Rate 38.0 %	Cardiac Intensive Care No
Ownership/Control Local Government	Comprehensive Geriatric No
Medicare Discharges(Not Available)	Hospice Care No
Case Mix Index (CMI) 0.9532	Medical/Surgical Intensive Care Yes
TAFFING:	Organ/Tissue Transplant No
Total Number of Physicians6	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses	RehabilitationNo
Licensed Practical Nurses 5	Psychiatric
	Medicare Swing Beds Yes

^{*} Not used in calculating mortality rates

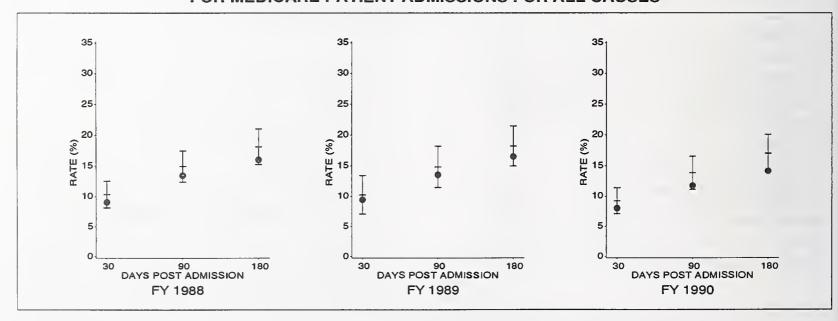
WATAUGA HOSPITAL INC DEERFIELD ROAD BOONE, NC 28607 Medicare Provider Number: 340051

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	>
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1166	8.0	9.2	1.1	11.7	13.8	1.4	14.1	17.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	44	18.2	24.8		20.5	28.0		22.7	31.1	
Congestive Heart Failure	42	19.0	14.9		31.0	23.3		31.0	29.7	
Pneumonia/Influenza	71	14.1	16.6	6.0	18.3	22.8	6.3	21.1	26.9	7.3
Chronic Obstructive Pulmonary Disease	14	7.1	9.2		14.3	15.0		21.4	19.1	
Transient Cerebral Ischemia	12	0.0	1.6		0.0	3.7		0.0	6.1	
Stroke	24	25.0	18.0		29.2	23.9		33.3	27.8	
Hip Fracture	59	5.1	6.2	3.2	8.5	10.7	4.6	8.5	13.8	6.1
Sepsis	16	18.8	22.2		18.8	30.0		25.0	34.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.0		6.3	5.8		6.3	8.5	
Carotid Endarterectomy	4	25.0	1.5		25.0	2.9	*****	25.0	4.3	
Hip Replacement/Reconstruction	36	0.0	2.8		2.8	5.3		2.8	7.0	
Open Reduction of Hip Fracture	35	5.7	6.4		8.6	11.3		8.6	14.7	
Prostatectomy	39	0.0	0.8		2.6	1.9		2.6	3.4	
Cholecystectomy	51	2.0	1.9	3.5	5.9	3.5	4.3	7.8	4.7	4.5
Hysterectomy	18	0.0	0.5		0.0	1.0		0.0	1.6	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WATAUGA HOSPITAL INC Medicare Provider Number: 340051

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission	75.2 vears	Cancer	6.8 %
		Chronic cardiovascular disease	41.3 %
Proportion female	30.9 70		
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.8 %
Referred by personal or HMO physician	44.0 %	Chronic renal disease	1.4 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	14.3 %
Admitted for elective procedure	17.1 %	Cerebrovascular degeneration	4.3 %
Admitted for emergency		Diabetes mellitus	9.6 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	24.4%	Hospital State National	7.3 Days 9.4 Days 8.6 Days
Total	100.0%		

ROFILE:		SPECIALTY SERVICES:
Total Beds	141	Burn Unit No
Occupancy Rate 48.	.0 %	Cardiac Intensive Care Yes
Ownership/Control Local Government	nent	Comprehensive Geriatric No
Medicare Discharges	.1 %	Hospice Care No
Case Mix Index (CMI) 1.23	750	Medical/Surgical Intensive Care Yes
STAFFING:		Organ/Tissue Transplant No
Total Number of Physicians	45	Other Intensive Care No.
Percent of Physicians Board Certified Specialists	9 0/	Trauma Center No
	_	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns	0	Alcohol/Drug No
Registered Nurses	115	RehabilitationN
Licensed Practical Nurses	42	Psychiatric N
		Medicare Swing Beds No

^{*} Not used in calculating mortality rates

WAYNE MEMORIAL HOSPITAL

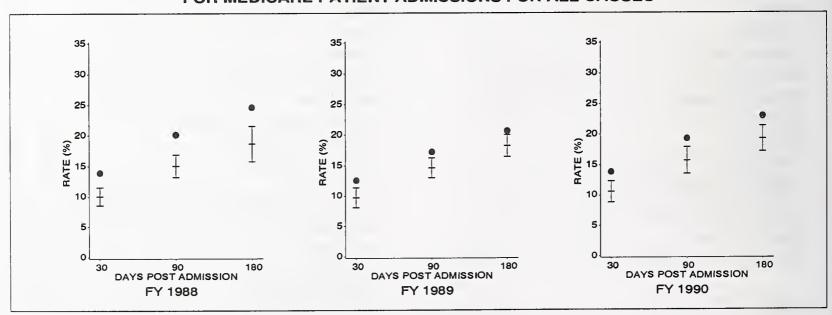
2700 WAYNE MEMORIAL DR GOLDSBORO, NC 27530 Medicare Provider Number: 340010

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		- 0		М	ORTALIT	Y RATE	S (%)	S (%)				
			30 DAY	s	9	90 DAYS			180 DAYS			
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*		
ALL CAUSES	2171	13.9	10.6	0.9	19.3	15.7	1.1	23.0	19.3	1.1		
CONDITIONS:												
Acute Myocardial Infarction	131	27.5	28.2	4.0	34.4	31.0	4.3	36.6	34.0	4.3		
Congestive Heart Failure	105	22.9	15.1	6.2	29.5	24.0	5.8	32.4	30.0	5.1		
Pneumonia/Influenza	92	21.7	15.7	6.4	27.2	21.7	6.1	32.6	25.5	6.9		
Chronic Obstructive Pulmonary Disease	15	53.3	11.0		60.0	18.3		60.0	23.8			
Transient Cerebral Ischemia	25	0.0	1.9		0.0	4.2		0.0	6.6			
Stroke	118	21.2	18.9	6.0	28.0	24.8	6.0	30.5	28.4	6.1		
Hip Fracture	45	6.7	6.8		13.3	11.3		13.3	14.5			
Sepsis	24	50.0	26.4		50.0	34.4		50.0	38.8			
PROCEDURES:												
Angioplasty	0											
Coronary Artery Bypass Graft	0	,										
Initial Pacemaker Insertion	23	4.3	2.2		4.3	4.3		4.3	6.2			
Carotid Endarterectomy	0											
Hip Replacement/Reconstruction	35	11.4	4.3		22.9	7.7		22.9	10.1			
Open Reduction of Hip Fracture	21	4.8	6.2		9.5	11.0		9.5	14.5			
Prostatectomy	47	4.3	0.7		6.4	1.6		6.4	2.7			
Cholecystectomy	47	4.3	1.3		8.5	2.4		8.5	3.2			
Hysterectomy	24	0.0	0.7		0.0	1.5		0.0	2.4			

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WAYNE MEMORIAL HOSPITAL

Medicare Provider Number: 340010

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission	2.8 years	Cancer	11.0 %
Proportion female 57	7.3 %	Chronic cardiovascular disease	49.1 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physician 58	B.O %	Chronic renal disease	4.2 %
Transferred from skilled nursing facility	0.6 %	Chronic pulmonary disease	22.9 %
Admitted for elective procedure 12	2.5 %	Cerebrovascular degeneration	2.8 %
Admitted for emergency 57	7.6 %	Diabetes meilitus	10.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	80.0%	Hospital	9.5 Days
State	18.5%	State	9.4 Days
Outside State	1.5%	National	8.6 Days
Total	100.0%		

SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1	1990
PROFILE:	SPECIALTY SERVICES:
Total Beds 263	Burn Unit No
Occupancy Rate 81.0 %	Cardlac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Gerlatric No
Medicare Discharges 25.0 %	Hospice Care No
Case Mix Index (CMI) 1.2633	Medical/Surgical Intensive Care Yes
STAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 111	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugNo
Registered Nurses	Rehabilitation No
Licensed Practical Nurses	Psychiatric Yes
	Medicare Swing Beds No
* Except for CMI	

^{*} Not used in calculating mortality rates

WESLEY LONG COMMUNITY HOSPITAL

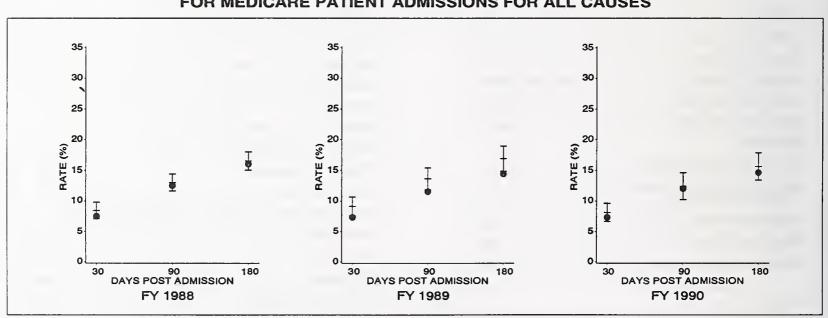
501 N ELAM AV GREENSBORO, NC 27402 Medicare Provider Number: 340125

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALITY RATES (%)						
		3	0 DAY	S	9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	3040	7.3	8.1	0.7	12.0	12.4	1.1	14.6	15.6	1.1	
CONDITIONS:											
Acute Myocardial Infarction	87	18.4	25.3	6.9	24.1	28.6	7.5	26.4	31.5	6.6	
Congestive Heart Fallure	120	15.8	12.8	4.6	19.2	20.2	4.1	25.8	25.8	4.1	
Pneumonia/Influenza	81	9.9	14.1	5.7	19.8	19.6	4.6	24.7	22.9	4.9	
Chronic Obstructive Pulmonary Disease	35	5.7	8.8		8.6	15.8		8.6	20.9		
Transient Cerebral Ischemia	43	2.3	2.0		2.3	4.2		7.0	6.6		
Stroke	119	20.2	22.4	4.4	28.6	28.7	5.5	31.1	32.5	6.0	
Hip Fracture	108	2.8	5.8	3.7	8.3	10.5	6.1	9.3	13.8	6.7	
Sepsis	23	8.7	26.0		17.4	33.6		21.7	38.0		
PROCEDURES:											
Angioplasty	7	0.0	6.6		0.0	7.6		0.0	8.7		
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	34	0.0	1.9		0.0	4.0		0.0	6.2		
Carotid Endarterectomy	51	2.0	1.5	1.9	5.9	2.8	3.4	5.9	4.1	3.4	
Hip Replacement/Reconstruction	95	2.1	2.6	2.3	3.2	4.9	3.4	4.2	6.5	3.7	
Open Reduction of Hip Fracture	56	5.4	5.0	3.1	14.3	9.5	7.8	14.3	12.6	7.3	
Prostatectomy	123	1.6	1.0	1.0	4.1	2.2	1.9	4.9	3.8	2.3	
Cholecystectomy	108	0.9	2.6	2.1	2.8	4.7	3.1	2.8	6.4	4.3	
Hysterectomy	30	3.3	0.7		3.3	1.6		6.7	2.4	****	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE († 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WESLEY LONG COMMUNITY HOSPITAL

Medicare Provider Number: 340125

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.3 years	Cancer	8.0 %
Proportion female	57.0 %	Chronic cardiovascular disease	42.7 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	1.2 %
Referred by personal or HMO physiclan	63.0 %	Chronic renal disease	1.1 %
Transferred from skilled nursing facility		Chronic pulmonary disease	24.9 %
Admitted for elective procedure		Cerebrovascular degeneration	4.0 %
Admitted for emergency		Diabetes mellitus	8.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

RIGIN OF MEDICARE PATIENT ADMISSION	۷:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City		Hospital	8.8 Days
State		State	9.4 Days
Outside State		National	8.6 Days
Total	100.0%		

ROFILE:		SPECIALTY SERVICES:
Total Beds2	212	Burn Unit No
Occupancy Rate 76.	0 %	Cardiac Intensive Care Yes
Ownership.Control Private, Non-Pro		Comprehensive Geriatric No
Medicare Discharges44.		Hospice Care No
Case Mix Index (CMI) 1.48	316	Medical/Surgical Intensive Care Yes
TAFFING:		Organ/Tissue Transplant Yes
Total Number of Physicians	351	Other Intensive Care Yes
Percent of Physicians Board Certified Specialists79		Trauma Center No
Medical Residents/Interns	0	Alcohol/DrugNo
Registered Nurses	274	Rehabilitation No
Licensed Practical Nurses	14	Psychiatric N
		Medicare Swing Beds No

^{*} Not used in calculating mortality rates

WESTERN CAROLINA CENTER HOSPITAL 300 ENOLA RD MORGANTON, NC 28655 Medicare Provider Number: 340154

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	YRATE	S (%)			
			30 DAY	S	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	35	0.0	1.7		0.0	2.7		0.0	3.7	
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	3	0.0	2.6		0.0	3.4		0.0	4.4	
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	1	0.0	2.6		0.0	5.3		0.0	7.6	
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

WESTERN CAROLINA CENTER HOSPITAL Medicare Provider Number: 340154

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

Average age at admission	40.5 years	Cancer	0.0 %
Proportion female	34.3 %	Chronic cardiovascular disease	0.0 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	97.1 %	Chronic renal disease	0.0 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	5.7 %
Admitted for elective procedure	5.7 %	Cerebrovascular degeneration	8.6 %
Admitted for emergency	2.9 %	Diabetes mellitus	0.0 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

0 1 10'	97.09/	Hospital	8.0 Days
County/City	87.0%	nospital	·
State	13.0%	State	9.4 Days
Outside State	0.0%	National	8.6 Days

PROFILE:	SPECIALTY SERVICES:
Total Beds 8	Burn Unit No
Ownership/Control State Government	Coronary Care Unit No
Case Mix Index (CMI) 0.9175	Hospice Care No
STAFFING:	Intensive Care Unit No
Medical Residents/Interns 7	Organ Transplant Yes
Registered Nurses 4	Trauma Center No
Licensed Practical Nurses 1	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
	Alcohol/Drug No
	Rehabilitation Yes
	PsychiatricYes
	Medicare Swing Beds No

^{*} Not used in calculating mortality rates

WILKES GENERAL HOSPITAL

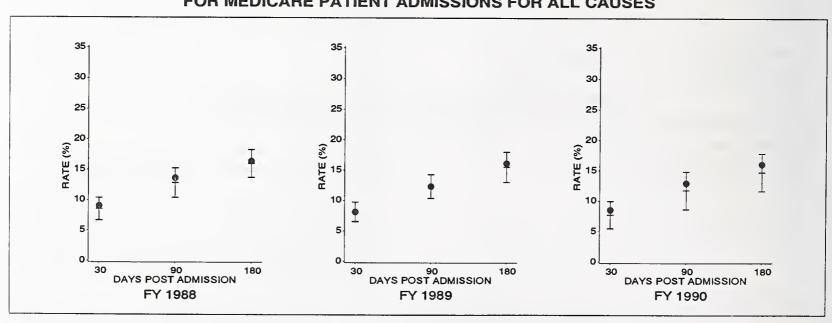
W D ST NORTH WILKESBORO, NC 28659 Medicare Provider Number: 340064

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTALIT	Y RATE	S (%)			
0			30 DAY	s	9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	1241	8.5	7.7	1.1	12.9	11.7	1.5	16.0	14.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	25.0		30.8	28.7		30.8	31.5	
Congestive Heart Failure	53	20.8	15.9	6.5	28.3	25.3	6.8	34.0	31.7	7.2
Pneumonia/Influenza	67	26.9	15.5	7.4	32.8	21.6	8.3	37.3	25.4	8.3
Chronic Obstructive Pulmonary Disease	15	0.0	7.9		6.7	13.6		6.7	17.9	
Transient Cerebral Ischemia	18	11.1	1.3		16.7	3.0		16.7	5.0	
Stroke	43	9.3	16.7		16.3	22.1		23.3	25.7	
Hip Fracture	36	2.8	7.1		13.9	12.2		19.4	15.5	
Sepsis	7	0.0	21.0		28.6	26.2		42.9	29.8	
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.7		40.0	8.8		40.0	11.2	
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	4.5		22.2	7.7		22.2	9.7	
Open Reduction of Hip Fracture	19	0.0	6.3		5.3	11.5		10.5	15.1	
Prostatectomy	54	0.0	0.9	1.5	0.0	2.1	2.6	1.9	3.5	2.9
Cholecystectomy	25	0.0	1.4		0.0	2.6		0.0	3.4	
Hysterectomy	12	0.0	0.3		0.0	0.8		0.0	1.3	

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WILKES GENERAL HOSPITAL Medicare Provider Number: 340064

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

DEMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	73.6 years	Cancer	4.4 %
Proportion female	57.1 %	Chronic cardiovascular disease	31.8 %
ADMISSION SOURCES/TYPES:		Chronic liver disease	0.6 %
Referred by personal or HMO physician	38.3 %	Chronic renal disease	1.1 %
Transferred from skilled nursing facility	3.9 %	Chronic pulmonary disease	17.2 %
Admitted for elective procedure	1.1 %	Cerebrovascular degeneration	6.0 %
Admitted for emergency	11.3 %	Diabetes mellitus	7.3 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION	N:	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	91.8%	Hospital	7.9 Days
State	6.6%	State	9.4 Days
Outside State	1.6%	National	8.6 Days
Total	100.0%		

Occupancy Rate	urn Unit
Ownership/Control	omprehensive Geriatric Yes
Medicare Discharges	ospice Care Yes
Case Mix Index (CMI)	·
TAFFING: Total Number of Physicians	edical/Surgical Intensive Care Yes
Total Number of Physicians	, ,
Percent of Physicians Board Cortified Specialists 62.2 %	rgan/Tissue Transplant No
Cortiford Specialists 62.2 %	ther Intensive Care No
Certified Specialists	rauma Center No
OI OI	HER SPECIALTY/HOSPITAL-BASED SERVICES:
	Icohol/DrugNo
Registered Nurses 145	ehabilitation No
Licensed Practical Nurses	sychiatric No
	ledicare Swing Beds No

^{*} Not used in calculating mortality rates

WILMINGTON TREATMENT CENTER

2520 TROY DRIVE WILMINGTON, NC 28401 Medicare Provider Number: 340168

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				M	ORTAL	.IT	YRATE	S (%)			
			30 DAY	S		9	0 DAYS	3	18	0 DAYS	3
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OE	38	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	12	0.0	0.3		0	0.0	0.8		8.3	1.4	
CONDITIONS:											
Acute Myocardial Infarction	0										
Congestive Heart Failure	0										
Pneumonia/Influenza	0										
Chronic Obstructive Pulmonary Disease	0										
Transient Cerebral Ischemia	0										
Stroke	0										
Hip Fracture	0										
Sepsis	0										
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	0										
Carotid Endarterectomy	0										
Hip Replacement/Reconstruction	0										
Open Reduction of Hip Fracture	0										
Prostatectomy	0										
Cholecystectomy	0										
Hysterectomy	0										

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation was not computed for one or more of the three fiscal years, (1988, 1989, or 1990)

WILMINGTON TREATMENT CENTER Medicare Provider Number: 340168

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	50.3 years	Cancer	0.0 %
Proportion female		Chronic cardiovascular disease	0.0 %
MISSION SOURCES/TYPES:		Chronic liver disease	0.0 %
Referred by personal or HMO physician	0.0 %	Chronic renal disease	0.0 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	8.3 %
Admitted for elective procedure	0.0	Cerebrovascular degeneration	0.0 %
	8.3 %	Diabetes mellitus	0.0 %
Admitted for emergency	0.0 /0		

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

ORIGIN OF MEDICARE PATIENT ADMISSION County/City	40.0% 40.0%	MEDICARE AVERAGE LENGTH OF STAY: Hospital	9.4 Days
Total	100.0%		

Total Beds	ROFILE:	SPECIALTY SERVICES:
Occupancy Rate 85.0 % Ownership/Control Private, For Profit Comprehensive Geriatric N Medicare Discharges 5.8 % Case Mix Index (CMI) 0.5473 Medical/Surgical Intensive Care N Organ/Tissue Transplant N Percent of Physicians Board Certified Specialists 100.0 % Medical Residents/Interns 0 Registered Nurses 8 Rehabilitation N Cardiac Intensive Care N Comprehensive Geriatric N Hospice Care N Medical/Surgical Intensive Care N Organ/Tissue Transplant N Trauma Center N OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Alcohol/Drug Ye Rehabilitation N	Total Beds 27	Burn Unit No
Ownership/Control	Occupancy Rate 85.0 %	Cardiac Intensive Care No
Medicare Discharges 5.8 % Hospice Care N Case Mix Index (CMI) 0.5473 Medical/Surgical Intensive Care N STAFFING: Organ/Tissue Transplant N Total Number of Physicians 1 Other Intensive Care N Percent of Physicians Board Certified Specialists 100.0 % OTHER SPECIALTY/HOSPITAL-BASED SERVICES: Medical Residents/Interns 0 Alcohol/Drug Ye Registered Nurses 8 Rehabilitation N		Comprehensive Geriatric No
Case Mix Index (CMI)		Hospice Care N
Total Number of Physicians		Medical/Surgical Intensive Care N
Total Number of Physicians		Organ/Tissue Transplant N
Percent of Physicians Board Certified Specialists	Total Number of Physicians1	Other Intensive Care N
Medical Residents/Interns 0 Alcohol/Drug		Trauma Center N OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Registered Nurses 8 Rehabilitation N	Medical Residents/Interns 0	
Licensed Practical Nurses	Registered Nurses 8	
	Licensed Practical Nurses 0	Psychiatric N

^{*} Not used in calculating mortality rates

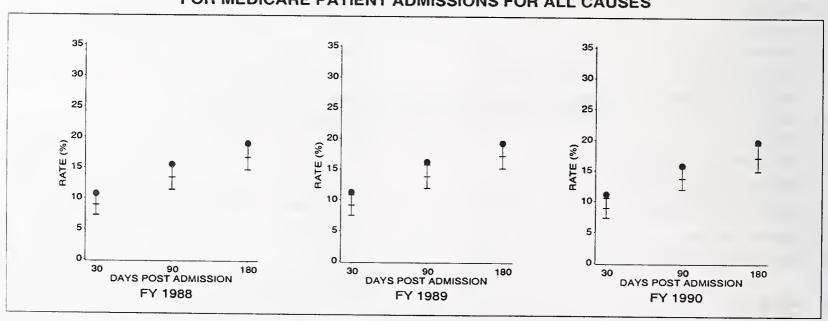
WILSON MEMORIAL HOSPITAL 1705 S TARBORO ST WILSON, NC 27893 Medicare Provider Number: 340126

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

CATECORY		30 DAYS			9	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*	
ALL CAUSES	2221	11.1	8.9	0.8	15.8	13.7	0.9	19.7	17.1	1.1	
CONDITIONS:											
Acute Myocardlal Infarction	82	25.6	25.3	5.8	30.5	29.3	5.1	34.1	32.3	5.4	
Congestive Heart Failure	115	14.8	11.0	3.5	27.0	18.0	5.1	38.3	23.5	6.3	
Pneumonia/Influenza	124	19.4	14.2	4.0	26.6	19.7	4.5	31.5	23.4	5.6	
Chronic Obstructive Pulmonary Disease	27	14.8	7.1		22.2	13.2		29.6	17.9		
Transient Cerebral Ischemia	27	0.0	1.3	****	0.0	3.0		0.0	4.8		
Stroke	150	24.0	19.0	6.0	30.7	24.8	6.1	34.0	28.5	5.7	
Hip Fracture	60	3.3	5.5	3.5	6.7	9.5	5.1	8.3	12.2	5.7	
Sepsis	18	33.3	24.6		38.9	34.8		50.0	40.4		
PROCEDURES:											
Angioplasty	0										
Coronary Artery Bypass Graft	0										
Initial Pacemaker Insertion	9	11.1	2.7		22.2	5.3		22.2	7.8		
Carotid Endarterectomy	8	0.0	1.7		0.0	3.0		0.0	4.3		
Hip Replacement/Reconstruction	51	0.0	3.4	3.9	3.9	6.0	4.3	5.9	7.7	4.2	
Open Reduction of Hip Fracture	37	5.4	4.1	*****	8.1	7.4		8.1	9.8		
Prostatectomy	20	0.0	2.0		5.0	4.4		5.0	7.1		
Cholecystectomy	42	2.4	2.2	****	2.4	4.1		4.8	5.5		
Hysterectomy	32	0.0	0.3		0.0	0.7		0.0	1.0		

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

OBSERVED MORTALITY RATE (*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



WILSON MEMORIAL HOSPITAL Medicare Provider Number: 340126

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.5 years	Cancer	7.5 %
Proportion female	60.2 %	Chronic cardiovascular disease	41.4 %
OMISSION SOURCES/TYPES:		Chronic liver disease	1.4 %
Referred by personal or HMO physician	77.5 %	Chronic renal disease	4.9 %
Transferred from skilled nursing facility	0.0 %	Chronic pulmonary disease	19.1 %
Admitted for elective procedure	0.3 %	Cerebrovascular degeneration	4.1 %
Admitted for emergency	79.4 %	Diabetes mellitus	11.4 %

ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS*

RIGIN OF MEDICARE PATIENT ADMISSION	٧.	MEDICARE AVERAGE LENGTH OF STAY:	
County/City	60.3%	Hospital	10.4 Days
State	38.8%	State	9.4 Days
Outside State	0.9%	National	8.6 Days
Total	100.0%		

PROFILE:	SPECIALTY SERVICES:
Total Beds 277	Burn Unit No
Occupancy Rate 69.0 %	Cardiac Intensive Care No
Ownership.Control Private, Non-Profit	Comprehensive Geriatric No
Medicare Discharges 37.8 %	Hospice Care No
Case Mix Index (CMI) 1.2628	Medical/Surgical Intensive Care Yes
TAFFING:	Organ/Tissue Transplant No
Total Number of Physicians 78	Other Intensive Care No
Percent of Physicians Board Certified Specialists	Trauma Center No
	OTHER SPECIALTY/HOSPITAL-BASED SERVICES:
Medical Residents/Interns 0	Alcohol/DrugN
Registered Nurses272	Rehabilitation No
Licensed Practical Nurses 51	PsychiatricYes
Except for CMI	Medicare Swing Beds

^{*} Not used in calculating mortality rates

NORTH CAROLINA

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
CATEGORY		30 DAYS			90	90 DAYS			180 DAYS	
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	172,360	9.2	9.1	0.1	13.9	13.7	0.2	17.4	17.0	0.2
CONDITIONS:										
Acute Myocardlal Infarction	6,600	23.9	25.4	0.7	28.1	28.5	1.2	31.2	31.2	1.1
Congestive Heart Fallure	8,574	14.6	13.6	0.5	22.8	21.7	0.7	29.2	27.6	0.8
Pneumonia/Influenza	8,123	15.6	15.0	0.6	21.6	20.6	1.0	25.5	24.3	1.1
Chronic Obstructive Pulmonary Disease	2,251	8.6	7.2	0.8	15.4	12.7	1.0	19.2	17.0	1.0
Transient Cerebrai ischemla	2,110	1.7	1.8	0.3	3.6	4.0	0.5	5.4	6.4	0.7
Stroke	7,480	19.3	19.7	0.5	25.9	26.0	0.5	30.3	29.7	0.6
Hip Fracture	4,657	5.7	6.2	0.4	10.1	10.9	0.6	12.9	14.1	0.7
Sepsis	2,325	25.1	24.7	0.9	32.9	32.2	1.1	38.2	36.8	1.4
PROCEDURES:										
Angiopiasty	1,544	3.1	3.7	0.6	3.9	4.6	0.8	4.9	5.6	1.0
Coronary Artery Bypass Graft	2,289	4.9	5.6	0.6	6.9	6.2	0.7	8.4	9.2	0.8
initial Pacemaker Insertion	1,231	3.0	3.3	0.7	5.8	6.3	1.1	8.4	9.1	1.2
Carotid Endarterectomy	816	1.5	1.5	0.5	2.3	2.8	0.8	3.6	4.1	0.8
Hip Replacement/Reconstruction	3,365	3.0	3.5	0.4	5.6	6.3	0.5	7.6	8.5	0.7
Open Reduction of HIp Fracture	2,105	5.7	5.7	0.5	10.2	10.4	0.7	12.9	13.8	1.0
Prostatectomy	5,486	1.1	1.1	0.2	2.8	2.4	0.4	4.3	4.1	0.5
Cholecystectomy	3,882	2.7	2.6	0.3	4.8	4.6	0.4	6.4	6.1	0.4
Hysterectomy	1,704	0.5	0.6	0.3	1.1	1.4	0.5	1.7	2.2	0.7

^{*} The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	72.9 years	Cancer	7.4 %
Proportion female	56.1 %	Chronic cardiovascular disease	39.1 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	45.3 %	Chronic renal disease	3.6 %
Transferred from skilled nursing facility	0.3 %	Chronic pulmonary disease	16.5 %
Admitted for elective procedure	16.5 %	Cerebrovascular degeneration	4.3 %
Admitted for emergency	50.8 %	Diabetes mellitus	9.0 %

ALL STATES

FY 1990 MEDICARE HOSPITAL MORTALITY RATES

				MC	ORTALITY	RATE	S (%)			
		30 DAYS		S	90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD*	OBS	PRED	SD*	OBS	PRED	SD*
ALL CAUSES	6,542,299	9.0	9.0		13.9	13.7		17.3	17.1	
CONDITIONS:										
Acute Myocardial Infarction	204,673	25.3	25.6		29.5	28.7		32.1	31.4	
Congestive Heart Failure	335,426	14.3	14.4		22.9	22.8	•••••	29.2	29.0	
Pneumonia/Influenza	313,303	15.3	15.5		21.5	21.3	•••••	25.5	25.1	
Chronic Obstructive Pulmonary Disease	107,387	8.0	8.0	•••••	14.1	14.0		18.7	18.5	
Transient Cerebral Ischemia	96,866	1.8	1.8		4.0	4.0		6.4	6.5	
Stroke	241,803	19.7	19.8	••••	26.5	26.3	4000	30.4	30.0	00000
Hip Fracture	163,386	6.7	6.5		11.7	11.5		15.1	15.0	
Sepsis	80,999	25.6	25.7		34.6	33.8	••••	39.8	38.6	••••
PROCEDURES:										
Angioplasty	58,026	3.0	3.0		4.0	4.0		5.0	4.9	
Coronary Artery Bypass Graft	80,798	6.0	5.7		8.3	8.1	••••	9.5	9.2	
Initial Pacemaker Insertion	49,642	3.2	3.3		6.5	6.3		9.1	9.1	•••••
Carotid Endarterectomy	29,990	1.6	1.5		2.8	2.8		4.0	4.1	
Hip Replacement/Reconstruction	122,156	3.4	3.2		6.2	5.9	*****	8.1	8.0	*****
Open Reduction of HIp Fracture	80,075	6.1	6.0		11.2	11.0	•••••	14.5	14.5	
Prostatectomy	211,087	0.9	1.0		2.2	2.3	••••	3.7	3.8	
Cholecystectomy	124,259	2.9	2.7	•••••	5.0	4.9	••••	6.5	6.5	
Hysterectomy		0.7	0.7		1.4	1.5	••••	2.2	2.4	

^{*} The Standard Deviation (SD) Is not calculated.

FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

EMOGRAPHICS:		COMORBIDITIES:	
Average age at admission	74.1 years	Cancer	7.6 %
Proportion female		Chronic cardiovascular disease	36.6 %
DMISSION SOURCES/TYPES:		Chronic liver disease	1.0 %
Referred by personal or HMO physician	46.1 %	Chronic renal disease	3.4 %
Transferred from skilled nursing facility		Chronic pulmonary disease	15.0 %
Admitted for elective procedure		Cerebrovascular degeneration	3.9 %
Admitted for emergency		Diabetes meilltus	8.0 %



Hospital Comments



Medicare No. 340116

Provider

March 12, 1992

Gail R. Wilensky, Ph.D., Administrator Health Care Financing Administration Medicare Hospital Information Bureau of Data Management and Strategy Room 3-A-12. Security Office Park Building 6325 Security Boulevard Baltimore, Maryland 21207-5187

Dear Ms. Wilensky:

Frye Regional Medical Center is a 275-bed tertiary care facility that provides highly sophisticated regional services, serving a nine-county area in northwestern North Carolina. The specialties provided include neurosurgery, neurology, nephrology, pulmonology, cardiology, and cardiac surgery.

Quality care is the single most important mission of Frye Regional Medical Center. The hospital uses a number of ongoing, objective quality screening tools on which to focus review and thereby identify ways to enhance patient care. While it cannot stand alone as a measure of quality in any circumstance, mortality screening and review activities are an important aspect of our quality management program.

The major system for monitoring and evaluating quality at Frye is MEDISGROUPS (Medical Illness Severity Grouping System). This is a computerized system of sensitive indicators that measure the effectiveness (patient outcome), efficiency (resource utilization), and appropriateness of patient care. It is based on a universal language of key clinical findings that indicate the presence of an abnormality. These findings generate objective severity of illness groupings which range from "0" to "4", with "0" being the lowest severity and almost no potential for organ failure and "4" being the highest severity and the presence of organ failure on admission.

The large advantage to MEDISGROUPS is that we have access to a national database to which we can compare ourselves. Our outcomes, severity scores, age, length of stay, and charge information are compared to national norms on an ongoing basis. Any significant deviations from these norms are systematically reviewed and evaluated.

Gail R. Wilensky Health Care Financing Administration March 12, 1992 Page Two

In 1990, Frye had 1707 Medicare patients with a total of 2474 Medicare discharges. (Some patients were in the hospital more than once.) 70% of these patients were discharged to home, 8% were discharged to a skilled nursing facility, 2% to another acute care hospital, 2% to an intermediate care facility, 2% to a rehabilitation facility, and 8% to a home health agency. Frye had 202 in-hospital Medicare deaths. 72% of these deaths occurred in Medisgroups severity groups "3" and "4". This indicates a high-risk, very sick group of patients.

The average admission severity of all Medicare patients admitted to Frye Regional Medical Center in 1990 was 1.62, compared to a national average of 1.43. The average admission severity for Medicare hospital deaths was 2.75, compared to a national average of 2.66. This again reflects a complex, acutely ill patient population.

The Medicare case mix index (HCFA's method of determining Medicare payment to hospitals) for Frye in 1990 was 1.63, higher than the 1989 case mix index of 1.54. By comparison, an "average" patient population would have a case mix index of 1.0. This data clearly demonstrates that FRMC treats an extremely sick patient population.

Frye Regional Medical Center takes pride in the quality of care provided. Using the analysis techniques described, the mortality cases were reviewed as part of the overall quality management program. We are comfortable that our mortality rate reflects the type of patients treated at Frye Regional Medical Center.

Sincerely,

Dennis J. Phillips Executive Director

djp/pg



CAROLINAS MEDICAL CENTER

Harry A. Nurkin, Ph.D., FACHE President

Medical Provider Number: 340113

Carolinas Medical Center appreciates the opportunity to present our response to the 1990 Health Care Financing Administration Mortality information. Carolinas Medical Center takes pride in the result that all seventeen categories fall within the accepted ranges based on HCFA's method of calculating ranges with standard deviations.

As a regional teaching referral center providing tertiary care, we would expect that our mortality data, while being within the predicted ranges, would be in the upper limits. Carolinas Medical Center, with a case mix index of 1.9136, has one of the most intense patient populations for a hospital of its size and complexity in the United States. With the region's only Level 1 Trauma Center (as designated by the State Emergency Medical Service), as well as a hospital-based emergency flight service, we accept patients who are critically ill and injured from In fact, 32.2% of the Mecklenburg, as well as surrounding counties. patients treated at Carolinas Medical Center were referred from other counties. Other services, such as our cardiovascular diagnostic and surgical procedure capabilities in the Carolinas Heart Institute, as well as heart transplant program, bring us patients who are critically ill in need of specialized physicians' services not available in their local hospitals. The Carolinas Heart Institute was officially designated by the federal government as one of the twenty-four medicare approved heart transplant centers.

The Cancer Center at Carolinas Medical Center, which is fully accredited by the American College of Surgeons, provides another regional service which brings patient transfers from many other hospitals. Additional specialized capabilities include our Epilepsy and Spacticity Center.

While the Medical Center carefully evaluates the information provided by HCFA to evaluate mortality rates on an annual basis, our commitment to evaluating the quality of care is an onging daily occurrence. The Carolinas Medical Center Medical Staff, as well as Support Staff, carefully review mortalities on an ongoing basis. In addition, we use numerous other indicators to evaluate the quality of care provided, and make every effort to improve our services as part of our daily practice.

As a Regional Medical Center, we continue to be concerned that publishing mortality rates as the measure of the quality of care provided may serve to discourage hospitals from accepting critically and terminally ill patients.

810 Fairgrove Church Rd. Hickory, North Carolina 28602 (704) 326-3000



Catawba Memorial Hospital has carefully and thoughtfully reviewed the Fiscal Year 1990 Medicare Hospital Mortality Rates. We request that our comments be included with any information released of President published regarding Catawba Memorial Hospital's predicted or observed mortality rates.

Our primary observation is that Catawba Memorial Hospital's observed mortality rate for all Medicare patient admissions for all causes falls within the normal predicted range at both 30 and 90 days post admission. The observed rate at 180 days occurs just slightly above the range. Two vital points should be considered when reviewing these ranges. HCFA'S predicted mortality rates for all causes at 30, 90 and 180 days have decreased for 1990, emphasizing the importance of Catawba Memorial Hospital's decrease in observed mortality. After discharge, patient-specific factors such as disease process, environment, lifestyle and compliance play an increasingly vital role in mortality. In summary, Catawba Memorial Hospital's observed mortality rate has declined over the last 3 years at an even greater rate than the decrease in HCFA's predicted rate.

Catawba Memorial Hospital contends that HCFA should apply factors more sensitive to severity of illness than those currently being used to calculate the Mortality Rates. The basic premise used is that every patient admitted to a hospital with the same diagnoses shares the same risk of mortality. One variable calculated in the rate is the co-occurrence of comorbidities which are defined as chronic diseases likely to have been present at admission and believed to complicate management as well as increase the However, the stages of disease likelihood of an adverse outcome. for the admitting diagnosis as well as for the comorbidity diagnosis(es) are not factored into any variable. For example, a patient with Chronic Obstructive Lung Disease requiring treatment at home with only inhalers who is readmitted would share the same mortality risk as a patient readmitted with Chronic Obstructive Lung Disease who is, at home, unable to function without oxygen, is treated with oral steroids and has required mechanical ventilation on previous occasions. The terminal nature of the second patient's Chronic Obstructive Lung Disease is not considered in HCFA's calculations. In addition, HCFA considers all comorbidities as being equal. For example, a patient admitted for dehydration with terminal lung cancer is considered to share the same 30, 90 and 180 day mortality risk as a person admitted for dehydration with Studies published in the New diabetes slightly out of control. England Journal of Medicine indicate that the Medicare Hospital Mortality Rates fail as quality of care indicators because of inequities in the variables utilized as described here.

Catawba Memorial Hospital's observed mortality rate falls below HCFA's predicted rate in every category for which a standard deviation is calculated. A standard deviation was not calculated for eleven of the fifteen diagnosis or procedure specific categories due to the small incidence of deaths or cases. The lack of this deviation rate is significant because without it, an accurate comparison of the observed rate and the predicted rate can not be accomplished. In five of these categories, the observed versus the predicted mortality rate warrants further comment.

Two of the four patients in the transient cerebral ischemia and carotid endarterectomy categories expired as long as ten months after discharge. Three patients could be classified as emergent admissions defined as those which require immediate medical intervention as a result of severe, life-threatening conditions. Three patients also had previous strokes and/or multiple transient ischemic attacks. All four patients had multiple other disease processes, the severity of which contributed to their mortality including atrial fibrillation, bilateral precerebral artery occlusions, recent myocardial infarctions and sepsis.

Six of the seven patients cited in the hip replacement category were admitted on an emergent basis due to hip fractures rather than on an elective basis. Five of the ten patients counted in the hip replacement and/or hip fracture categories expired as long as ten months after discharge. Six of these ten patients were admitted with severe multi-system disease processes, overwhelming infections and a combination of cardiac arrhythmias, strokes and pulmonary emboli, any one of which contributed to these patients' mortality.

The serious flaw in the mortality predictions related to comorbidities being considered equal was confirmed upon review of the chronic obstructive pulmonary disease category. All four patients who expired either in the hospital or later suffered from end stage chronic obstructive lung disease manifested by respiratory failure in addition to multiple conditions such as pneumonia, cardiac arrest and life-threatening arrhythmias. Three required mechanical ventilators. None of the seven patients who did not expire suffered from respiratory failure.

Six of the twenty patients who suffered myocardial infarctions expired as long as ten months after discharge. Nineteen of these patients were admitted as emergent admissions, not shown in the rates. The fourteen patients who expired during hospitalization were admitted with multiple life-threatening cardiovascular complications including congestive heart failure, stroke and cardiogenic shock, not considered in the rate calculations.

All nine patients in the sepsis category were admitted on an emergent basis. The seven patients who expired in the hospital on the admission reviewed were all admitted with complications ranging from complex pneumonias, acute renal and liver failure to septic shock, none of which were factored in the mortality rates. In addition, two patients suffered from terminal cancer.

Catawba Memorial Hospital's comments on these categories are based upon careful review of the medical records. Obviously, HCFA's predicted mortality rates can only be utilized as screening tools for hospitals to assess one aspect of quality of care. Thorough research of the cases confirms that the severity of illness that patients are admitted with is not factored into any of the variables. Catawba Memorial Hospital is gratified to note that our observed mortality rates have decreased to a greater extent than HCFA's predicted rates, and that even without the inclusion of critical variables, Catawba Memorial Hospital's mortality rate falls within the normal predicted range.

David O. Rice, President Catawba Memorial Hospital

Medicare Provider 340111



March 11, 1992

Gail R. Wilensky, Ph.D., Administrator Health Care Financing Administration Medicare Hospital Information Bureau of Data Management and Strategy Room 3-A-12, Security Office Park Building 6325 Security Boulevard Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Ms. Wilensky:

We have reviewed the information submitted to us and elected to evaluate the following three categories: Chronic Obstructive Pulmonary Disease, Stroke and Hip Fracture. Condition 4 - Chronic Obstructive Pulmonary Disease consisted of six cases. Four patients are still alive and two have expired. One case was not included in the analysis and the second case did not actually expire from COPD. The actual cause of death was Respiratory Failure - End Stage Emphysema.

The second category - Condition 6 - Stroke consisted of fifteen cases. The report states that five patients expired from the diagnosis of stroke. However, one case was not included in the analysis and three cases were correct. The patients actually expired from experiencing a stroke. One case was discharged from our facility on 3-23-90 and expired at another facility on 8-25-90. Yes, the cause of death was CVA, but not at our facility.

The final category evaluated was Hip Fracture - Condition 7. There was a total of six cases, three which are still living. The three cases noted as expiring from Hip Fracture With Replacement is incorrect. The admitting diagnosis was Hip Fracture; however, the primary cause of death in two cases was CVA. The third case expired from Ventricular Fibrillation secondary to an Acute Myocardial Infarction.

Therefore, the percentages included in your report do not reflect the actual percentages of Chatham Hospital, Inc. Please compare the figures listed below:

1990 Medicare Hospital Mortality Rates

HCFA	Category	Number of Cases	OBS Deaths
	COPD	6	16.7
	Stroke	15	20.0
	Hip Fracture	6	16.7

Medicare Provider # 340111



	1990 Medicare Hospital Mortality Rates		Actual	Actual Deaths	
Chatham Hospital	Category	Number of Cases	From D	iagnosis	
	COPD	6	6	or 0%	
	Stroke	15	15	or 20%	
	Hip Fracture	6	6	or 0%	

Thank you very much for your attention to this matter. Should you have any questions or concerns, please contact us.

Sincerely Submitted,

David B. Darden

Chief Executive Officer

Vernay Brown RN, BSD

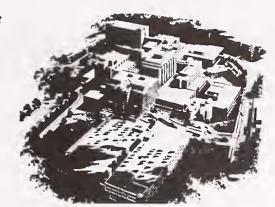
Verna J. Brown, RN, BSN

Quality Improvement Coordinator

DBD/VJB/dp

NORTH CAROLINA

BAPTIST HOSPITALS, Inc.



300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM, NORTH CAROLINA 27103

Medicare Provider #340047

Comments on Medicare Hospital Mortality Information 1990

North Carolina Baptist Hospitals, Inc. (NCBH) is an 806-bed tertiary referral center associated with Bowman Gray School of Medicine of Wake Forest University. NCBH has the designation of: Level I Trauma Center, Level III Neonatal Intensive Care Unit, NIH National Stroke Center, and NCI Comprehensive Cancer Center.

The administrative and medical staffs of N.C. Baptist Hospital have reviewed the HCFA 1990 Medicare Mortality data and submit the following comments:

- Sepsis was reviewed in detail because the observed mortality exceeded the predicted mortality by at least one standard deviation.
- 2) Seventeen patients with a diagnosis of sepsis died within two (2) days of admission; eight of the seventeen died on the day of admission. This indicates that the patients were extremely ill at the time of admission.
- 3) The HCFA expected and predicted mortality rates did not end at 180 days post discharge. In three diagnoses categories reviewed in detail, five patients expired seven to ten months post discharge.

North Carolina Baptist Hospitals, Inc. appreciates the opportunity to present our comments on the Medicare Mortality Information as we welcome any opportunity to improve patient care.

Len B. Preslar, Jr.

President/CEO

March, 1992

SWAIN COUNTY HOSPITAL

James E. Douthit, Administrator

965 Plateau Street

Bryson City, North Carolina 28713 Telephone: (704) 488-2155

(704) 488-2884

March 3, 1992

Gail R. Wilensky, Ph.D., Administrator Health Care Financing Administration Medicare Hospital Information Bureau of Data Management and Strategy Room 3-A-12, Security Office Park Building 6325 Security Boulevard Baltimore, Maryland 21207-5187

Medicare ID# 340031

Dear Dr. Wilensky,

These comments are in reference to the data we received on March 2, 1992 regarding hospital mortality rates.

Although, Swain County Hospital's mortality rates were within the limits set forth by your office, I still feel that this data is misleading regarding the Admission Sources/Types. The data which you present shows that we had 0.0% admissions transferred from skilled nursing facilities, when in reality we averaged nearly 15% of total admissions from this type facility.

I am sure the reason for this misleading statistic is that the UB-82 form, from which this data is resourced, allows you to list only one Source of Admission for each inpatient (See Enclosed). Since all of our inpatient admissions require an admitting physician referral, it is only logical that we use code "1" -- Physician Referral, for any admission, from any source, to our hospital.

Therefore, until either the UB-82 is changed to reflect the true Source of Admission, or HCFA uses another resource for their data, using this factor to predict mortality rates is not representative of the patients at Swain County Hospital.

Singerely

W. Joseph Seel

Assistant Administrator

WJS/Is

enc.



THE MOSES H. CONE MEMORIAL HOSPITAL

1200 NORTH ELM STREET, GREENSBORO, NORTH CAROLINA 27401-1020

EXECUTIVE OFFICES

March 10, 1992

Medicare Provider #340091

Ms. Gail R. Wilensky, Ph.D., Administrator Health Care Financing Administration Medicare Hospital Information Bureau of Data Management & Strategy Room 3-A-12, Security Office Park Building 6325 Security Boulevard Baltimore, Maryland 21207-5187

Attn: Robert Moore

Dear Ms. Wilensky:

Thank you for the opportunity to comment on the Medicare mortality data. We have received information covering The Moses H. Cone Memorial Hospital for federal fiscal years 1988, 1989, and 1990. This data includes the Greensboro Hospital (now operating as The Women's Hospital of Greensboro) which became part of The Moses Cone System in June of 1988. Our review of the data provided indicates that the data appear to be correct.

We are pleased that the mortality rates provided appear consistent with earlier published data which have uniformly shown us to be within predicted ranges. Although we continue to have concerns about the limitations of the mortality data as a measure of quality, we do appreciate HCFA's continued efforts to refine the methodology for calculating expected mortality rates and we believe that this year's release demonstrates your continued efforts toward improvement in these methodologies. We continue to believe, however, that the lack of severity adjustment to acknowledge differences in patient acuity is a very serious limitation to the value of the data. As a regional tertiary care facility, our Hospital treats patients whose needs are more complex and acute than would be the case at the average facility, and this is demonstrated in our overall Medicare case mix index. We believe that without appropriate severity adjustment to the data, it is not possible to draw any conclusions from the data presented.

Ms. Gail R. Wilensky, Ph.D., Administrator March 10, 1992 Page Two

We believe that the monitoring and evaluation programs currently in place at our institutions offer far stronger indication assurance than do mortality rates, that the quality of care provided at The Moses H. Cone Memorial Hospital and The Women's Hospital of Greensboro is our most important concern. Superior patient care is the cornerstone of our institutions, and our commitment to this principle is demonstrated by our daily involvement in monitoring and evaluating the provision of this care to ensure excellence. Our Quality Assurance Program employs a comprehensive process that involves every hospital department, and every clinical service of the Medical and Dental Staff. Each area has an ongoing monitoring and evaluation system that reviews both critical and non-critical aspects of care. This program allows us to identify deviations from standards which may then be analyzed and acted upon if corrective action is indicated and it identifies opportunities for us to further improve the quality of care being rendered.

Our Medical and Dental Staff apply a peer review methodology to review the quality of care provided by the members of the Staff. Reviewing all mortalities is only one component of this function in which thousands of cases are screened according to defined quality criteria and evaluated. The results of these reviews, as well as Hospital departmental quality assurance activities mentioned previously, are summarized and monitored by the Medical and Dental Staff leadership and the Hospital's Board of Trustees.

In the past year, The Moses H. Cone Memorial Hospital has become an active participant in the Maryland Quality Indicators Project. While this mechanism and its processes are admittedly imperfect and are undergoing continued refinement, we do believe that this is a fundamentally sound mechanism which allows us to compare the quality performance on a variety of indicators across institutions.

We sincerely look forward to continued efforts in the future by HCFA, JCAHO and others to develop meaningful indicators and outcome measures which can be used to monitor the quality of care and to make more meaningful comparisons to national standards. We are eager to incorporate such tools as part of our overall program to ensure that our patients receive the very best medical care available.

Sincerely yours,

Paul C. Summerell,

Vice President, Support Services

PCS/smn: 286ps

WAYNE MEMORIAL HOSPITAL

March 19, 1992

Ms. Gail R. Wilensky, Ph. D., Administrator Health Care Financing Administration Medicare Hospital Information Bureau of Data Management and Strategy Room 3-A-12, Security Office Park Building 6325 Security Boulevard Baltimore, Maryland 21207-5187 ATTN: Robert Moore

Dear Ms. Wilensky:

The Health Care Financing Administration's annual release of hospital mortality information has been received and reviewed by Wayne Memorial Hospital. For the medical categories for which the Standard Deviation (SD) of the prediction could be calculated, the hospital's observed mortality rate compared to predicted rate fell within the 95% prediction interval. For "All Causes" the observed mortality rate fell above the predicted mortality rate and prediction interval boundary of two times the SD. This merits further study by the hospital's quality assurance program.

We appreciate HCFA's interest in improving the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. You are well aware of the diversity of opinion regarding the usefulness of the Medicare hospital information report. We consider quality of care at Wayne Memorial Hospital to be excellent, and we will endeavor to use this mortality rate data in our continuing efforts in quality assurance.

Yours truly,

Yames W. Hubbell

President and Chief Executive Officer

JWH:abh:jle



March 9, 1992

Gail R. Wilensky, Ph.D., Administrator Health Care Financing Administration Medicare Hospital Information Bureau of Data Management and Strategy Room 3-A-12 Security Office Park Building 6325 Security Boulevard Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Dear Dr. Wilensky:

We have reviewed the mortality information provided by HCFA in the February 28, 1992 correspondence and appreciate the opportunity to respond. Wesley Long is pleased to find that we are well within the acceptable ranges identified by HCFA for all three years. However, while we commend HCFA's effort to ensure that hospitals are providing the highest possible level of care, we do not believe mortality data alone is an appropriate measure of the quality of care provided by an individual hospital. In addition, mortality data may be misunderstood by the general public.

It is our belief that a more appropriate approach is a comprehensive Quality Assurance Program to include Risk Management and a thorough Medical Peer Review system. Our Quality Assurance Program has the support and cooperation of Hospital Administration, the Medical Staff, and the Board of Trustees. Each Hospital and Medical Staff department provides a report of the results of monitoring activities on a quarterly basis to the Quality Assurance Committee. Areas identified as treating high risk patients have individualized quality assurance programs tailored to monitor the specialized patient care provided in those areas.

Medical Staff Quality Assurance at Wesley Long is supported through the efforts of a rigorous Medical Peer Review process. Following patient discharge, the medical record is screened against a wide array of clinical indicators. Records identified through applying these screens are presented to a Medical Staff Peer Review Committee for further review. Reported incidents identified by Risk Management are also submitted for review. All deaths are processed through several levels of review, and those deaths which were not clearly anticipated (e.g. patients not diagnosed as

having a terminal illness) are submitted for physician scrutiny. The Chiefs of each Medical Staff department sit on their respective Peer Review Committees and subsequently report any actions or identify problems each month.

In summary, the Quality Assurance Program we have implemented examines a wide variety of indicators to ensure that Wesley Long provides the highest quality of care available. Mortality rates alone cannot stand as an indicator of quality.

Sincerely

John Schrull President





